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Established 1866.

THE
CHEMICAL
MANUFACTURERS'
DIRECTORY
OF
ENGLAND AND SCOTLAND,
Supplemented by some of the Irish Firms,
BEING A LIST OF THE
PRINCIPAL MANUFACTURERS
OF CHEMICALS USED IN
COMMERCE, MEDICINE,
AGRICULTURE, AND THE ARTS,
FOR 1878.
TENTH EDITION.
EXTENDED AND IMPROVED.

London:

SOLD FOR THE PROPRIETOR BY
W. KENT & CO., PATERNOSTER ROW,
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PRICE HALF-A-CROWN.

1878.

[ESTABLISHED 1798.]

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Contractors' Plant.
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" up to 16 tons.
" Wharf up to 60 tons.
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LISTS SENT ON APPLICATION.

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Agitators, horizontal and vertical.
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Acid Retorts.
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Black Ash Vats.
Boiling-down Pans of Cast and Wrought Iron.
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Crystallising Cones and Pans.
Caustic Pans of approved metal.
Centrifugal Machines.
Concentrating Pans of cast and Wrought Iron.
Clarifiers.

Drainers.
Decomposing Pans of approved metal.
Dissolving Pans for Soda.
Gas Producers for Heating Pans, &c.
Hydraulic and Steam Hoists.
Indigo Mills.
Mills and Engines for Grinding.
Mortar and Pyrites Mills.
Nitric Pots.
Oxydising Steam Towers for Caustic.
Pyrites Burners for Irish, Norwegian, and Spanish Ores.
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MACTEAR'S PATENT CARBONATING FURNACE,

AND

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IMPORTANT TRADE PUBLICATIONS.

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This Edition, having been still further considerably improved in arrangement, and extended in scope, now contains the following very full and complete information :—

CONTENTS.

The Name of every Paper Maker in the Kingdom, Alphabetically Indexed.
A complete List—in numerical order—of the

Paper Mills in England, Scotland, and Ireland, showing—

The Names of the Proprietors—their correct Postal Address—their London Agents.

The Stations for Passengers adjacent to each Mill.

The Goods stations adjacent to each Mill.

The descriptions of Paper made at each Mill.

The dimensions of the Machinery at the various Mills.

The Mills that are closed, or not working.

A List of Papers classified, showing, at a view, the whole of the Mills producing each kind.

English and Scotch Mills not working under a Mill Number.

The Paper Mills in each of the Counties of England. Scotch Mills in order of their Districts.

Titles of the Paper Mills of England and Wales, Scotland, and Ireland.

Paper Mills that have gone out of the Trade during the year.

The Wholesale Stationers of London.

THE ADVERTISEMENTS AND ANNOUNCEMENTS

from their number, extent, and fulness of particulars, form a Supplementary Directory, as they include the majority of the leading Manufacturers, Producers, Merchants, and Dealers in all the Trades auxiliary to Paper-making.

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AND ALL BOOKSELLERS.

All Communications and Advertisements for the forthcoming edition of the DIRECTORY, to be sent to

THE EDITOR (at the Printers'),

Oxford Court, Cannon Street, London, E.C.

Established 1866.

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P R E F A C E.

THE Tenth Edition of the "Chemical Manufacturers' Directory" is submitted to its numerous Subscribers and Friends.

Further effort has been made in supplying any omissions in former edition.

In accordance with our desire to provide all such information as may prove a convenience to our Subscribers, we have made further additions in the present issue to the Railway, Passenger, and Goods Stations adjacent to each Works.

And with the view of developing this part of the work in future editions, and owing to the difficulty of obtaining sufficiently accurate information respecting the "Pigment Colour" Manufacturers, we have left them out from the present issue.

We have again to offer our best thanks to those numerous friends whose courtesy is so invariably extended to us when preparing our new editions.

Intimation of any change, omission, or error that may come under notice is earnestly solicited; and which, or any advertisements or announcements, for the next edition may be sent to the Printers, addressed—

THE EDITOR OF THE

CHEMICAL MANUFACTURERS' DIRECTORY,

Oxford Court, Cannon Street,

London, 1878.

LONDON, E.C.

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 THE MAKERS OF EACH KIND.

Acid, Acetic.—*LONDON*—Barnes, Beanfoy, Condy, Cory, Cox, Dunn, Ellis, Scott,
COUNTRY—Barrow J., Bower W., Bury, Clarke W., Coupe, Crompton,
 Fielding, Hadfield T., Haworth J., Hurst, Fields Co., Kenyon T., King, Lewis
 G., Mansergh, Melincrythan Co., Morris W., Ogden, Renshaw, Rooke
 Rumney, Singleton J. *SCOTCH*—Turnbull.

Acid, Arsenic.—*COUNTRY*—Holliday.

Acid, Benzoic.—*LONDON*—Howard.

Acid, Carbolic.—*LONDON*—Bethell & Co., Blott, Dickinson, Dussek, Griffith.
COUNTRY—Bowdler, Bowes, Burt B. & H., Butler W., Calvert, Corbett & Co.,
 Culpan, Demuth, Fisher, Harvey Wm., Holliday, Kelly, Kempson, Longshaw,
 Lowe, Metcalf T., Metcalf W., Plumbe, Smith D., Tunstall, Turner. *SCOTCH*—
 Lindsay, Ross.

Acid, Citric.—*LONDON*—Howard, Lawes, Pontifex. *COUNTRY*—Sturge.
SCOTCH—Readman.

Acid, Fluoric.—*COUNTRY*—Collier, Dobb, Harris, Hornby.

Acid, Muriatic, Hydrochloric.—*LONDON*—Allen, Dunn, Farmer, Finch, Paxton,
 Robins, Smith P., Squire, Scott, Wallace. *COUNTRY*—Adkins, Astler,
 Atlas Co., Baly, Basford, Birdsall, Bealey, Beatson, Becker, Birkby, Bottomley,
 Bridgewater Co., Bury, Crowther G. J., Crowther Wm., Crowther H., Day,
 Earp, Farmer, Fisher, Gibbs Jas., Harris, Haslem, Hill W., Hills Bros.,
 Hornby, Howarth W., Hunt Bros., Jackson Jas., Jackson T., Johnson T.,
 Kaye, Marsh, Muspratt, Jas., Matheson, Netham Co., Nicholson J., Ormerod,
 Pilkington, Potter, Riley, Robinson E., Schofield, Shorthouse, Singleton,
 Smith & Mawdsley, Sugden, Townsend, Tyne Co., Vivian. *SCOTCH*—Bryce,
 Garroway, Hope, Paterson, Smith R., Tennant C. *IRISH*—Mooney.

Acid Nitric.—*LONDON*—Allen, Barnes, Cumberland, Ellis, Farmer, Finch,
 Kerney, Robbins, Smith B., Smith P., Squire, Wallace. *COUNTRY*—Astle,
 Barrow, J., Basford Co., Beatson, Birkby Bottomley, Bowden, Bury, Collier,
 Crowther G. J., Crowther Wm., Day, Earp, Farmer, Fisher, Gibbs, Harris,
 Hill W., Hills Bros., Hornby, Jackson J., Jackson T., Johnson T., Kaye,
 Metcalf T., Nicholson J., Ormerod, Riley, Robinson E., Shorthouse, Singleton,
 Sugden. *SCOTCH*—Davidson, Garroway, Hope, Smith R.

Acid, Nitrous.—*LONDON*—Kerney, Smith B. *COUNTRY*—Dobb, Gibbs, Hill
 Bros., Hill W.

Acid, Oxalic.—*LONDON*—Allen. *COUNTRY*—Farmer, Jones W., Kenyon,
 Pritchard, Roberts Dale.

Acid, Picric.—*COUNTRY*—Bowdler, Calvert, Casthelaz, Longshaw, Lowe,
 Smith D.

Acid, Pyroligneous.—*COUNTRY*—Nicholson T., Peate, Pontithel Co., Rooke,
 Rumney, Smith, Vaughan, Walker T., Warburton, Windle.

Acid, Phosphoric.—*LONDON*—Allen, Dunn. *SCOTCH*—Readman.

Acid, Sulphuric.—*LONDON*—Alum Co., Bethell J. & Co., Brandram, Cumberland, Ellis, Farmer, Finch, Gibbs, Hills, Houlder, Payton, Pontifex, Robbins, Smith P., Squire, Vanner, White, Wilson G., Wallace. *COUNTRY*—Adkins, Anderton, Asbury, Astle, Austin, Baly, Baasford Co., Birdsall, Bealey, Beatson, Becker, Bethell, J. & Co. Bevan, Birkby, Bowen, Bradburn, Bridgewater Co., Burnard, Burrell, Bury, Cannop Co., Carr J., Chapman, Cooke, J., Crabb, Crompton, Crowther G. J., Crowther Wm., Crowther H., Earp, Eden, Farmer, Fisher, Fison Jas., Fison Jos., Fletcher, Goole Co., Galen Co., Gibbs Jas., Gibbs J., Gibbs Jas., Goole Co., Graham, Hadfield G., Hall A. W., Harris, Haslem, Hill W., Hills A., Hills Bros., Hornby, Howarth W., Hunt W., Jackson Jas., Jackson S., Jarrow Co., Johnson T., Judson, Kelly, Langdale, Leather, Lewis G., Mathieson, Melincrythan Co., Metcalf T., Morris Bros., Morris D., Morris Wm., Morris & Griffin, Murphy, Muspratt Jas., Netham Co., Nicholson J., Ormerod, Packard, Pashley, Peyton, Pilkington, Potter, Prentice, Richardson J. G., Riley, Robinson E., Schofield, Sharon Co., Shorthouse J., Slack, Smith J., Smith D., Smith & Mawdsley, Spence, Bros., St. Bede's Co., Spooner, Tennants, Tyne Co., Waide, Wilson G., Wilson J. T., Wilson R. H., Wood & Sons. *SCOTCH*—Bonnington Co., Bryce, Cameron, Davidson, Garroway, Henderson, Hope A., Hope & Co., Hutton W., Mackinlay, McGeachy, McLaren, Miller J., Montgomerie, Napier, Rogers, Smith R., Tennant C., Wilson, J. *IRISH*—Goulding, Jones, McKenny, Mooney, Smith.

Acid, Sulphurous.—*LONDON*—Dunn, Ellis, Howard, Scott. *COUNTRY*—Collett, Reade. *SCOTCH*—Gardiner, Garroway, Lundy.

Acid, Tartaric.—*LONDON*—Hills, Howard, Kemball, Lawes, Pontifex. *COUNTRY*—Farmer.

Alizarine.—*LONDON*—Brooke. *COUNTRY*—Holiday.

Albumen.—*COUNTRY*—Bibby, King, Walsh.

Alkali.—*See also* "Soda Ash."—*COUNTRY*—Allen, Armstrong, Barton, Blair, Bramwell, Boreham Co., Burnett, Bury, Chance, Cook Bros., Cook Jno., Gaskell, Hardshaw Co., Hazlehurst, Heworth Co., Howarth, Hutchinson, Imery, Jarrow Co., Kershaw, Kurtz A., Lewis J., Liverpool Co., McClellan, Muspratt T., Muspratt J., Netham Co., Newcastle Co., Pattinson, Payne, Smith & Mawdsley, St. Bede's Co., Tennant, Tennants & Co., Tyne Co., Vivian, Washington Co., Whitwell. *SCOTCH*—Clyde Co., Tennant.

Alum.—*LONDON*—Alum Co., Bethell John & Co., Ellis & Co., Mockford. *COUNTRY*—Baker, Beatson, Bethell, Bury, Fields Co., Goole Co., Norris, Pochin, Spence P., Winser & Co. *SCOTCH*—Alum Co., Hurlet Co., Nelson.

Aluminous Cake.—*LONDON*—Alum Co., Ellis. *COUNTRY*—Hall H. W., Johnson & D., Spence P., Winser & Co.

Alumina Sulphate.—*LONDON*—Ellis. *COUNTRY*—Burt B. & H., Hall H. W., Johnson & D., Winser & Co.

Ammonia Acetate.—*LONDON*—Condy.

Ammonia, Liquid.—*LONDON*—Smith P. *COUNTRY*—Barrow, Birdsall, Culpin, Collier, Cotton, Day, Earp Galen Co., Gardiner, Harvey W., Metcalf T., Nicholson J., Spence Bros., Wright.

Ammonia, Muriate.—*LONDON*—Crow T., Smith P. *COUNTRY*—Armitage, Netham Co.

Ammonia, Sulphate, Salts.—*LONDON*—Allen, Alum Co., Austin, Cowan, Crow T., Dickinson, Gas P. Co., Griffith, Hills, Smith P. *COUNTRY*—Armitage, Astle, Austin, Baly, Barrow, Baseford Co., Blott, Bond, Bowes, Bowskill, Bradburn, Burrell R. & W., Carr Jas., Clapham, Cotton, Crowther G. J., Day, Dobson, Ellis Jno., Fison Jas., Galen Co., Gunton, Hall A. W., Hadfield T., Harvey W., Hornby, Illingworth, Jackson Jas., Jackson T. H., Johnson T., Kaye, Kelly, Kempson, Kurtz, Langdales Co., Liverpool Co., Lockyer, Marriott, Mather, Meadows, Metcalf T., Metcalf W., Morris & Griffin, Morris Bros., Naylor, Netham Co., Nicholson, Nicholson John, Ormerod, Pashley, Payne, Plumbe, Prangley, Reeve, Robinson, Rumney, Sharon Co., Slack, Spence Bros., Stone, Sugden, Turner, Waide, Wright, Ynis Co. *SCOTCH*—Alum Co., Bogle, Bonnington Co., Briggs, Brown, Coney, Hutton, Lindsay, Mackenzie, Perth Gas Co., Poynter, Ross, Smith W., Smith R., Spence Stewart, Uphall Co., Weir, West-Calder Co.

Aniline.—*See* "Dyes, Aniline."

Annatto.—*LONDON*—Tibbs. *COUNTRY*—Claridge, Metcalf.

Anthracine.—*LONDON*—Crow, Grindley, Griffith, Southwell. *COUNTRY*—Bethell J. & Co., Bouck, Bond, Butler, Burt B. & H., Casthelaz, Culpán, Elsworth, Gunton, Harvey W., Kelly, Kempson, Metcalf, Lowe, Robinson, Turner, Wright. *SCOTCH*—Ross.

Antichlorine.—*COUNTRY*—Pochin. *See also* Soda Hyposulphite.

Aquafortis.—*See also* "Nitric Acid." *COUNTRY*—Birdsall, Fielding, Becker, Collier, Crowther Hor., Ellis Jno., Forrester, Griffiths, Nicholson, Peyton,

Arsenic.—*COUNTRY*—Cornwall Co., English Co., Stephens, Tremellen.

Aurine.—*COUNTRY*—Bowdler, Calvert, Corbett & Co., Longshaw, Lowe, Smith D.

Antimony Refiners.—*LONDON*—Hallett. *COUNTRY*—Cookson.

Antimony Sulphide.—*LONDON*—Gas P. Co.

Barium Chloride and Sulphide.—*SCOTCH*—Paterson R. & W.

Baryta, Nitrate.—*LONDON*—Cumberland, Squire.

Benzole, Benzine, Benzoline.—*LONDON*—Barnes, Blott, Carless, Crow, Forster, Griffith, Smith Bros. *COUNTRY*—Bethell J. & Co., Bond, Burt B. & H. Butler, Casthelaz, Cotton, Culpán, Demuth, Elsworth, Harvey W., Holliday, Kelly, Lowe, Metcalf W., Metcalf T., Plumbe, Turner, Wade. *SCOTCH*—Miller J.

Binitrobenzole.—*COUNTRY*—Clayton Co.

Bleaching Liquor.—*See also* "Dyers' Solutions." *COUNTRY*—Bealey, Blythe, Haslem, Potter, Schofield, Tennants & Co.

Bleaching Powder.—*See* "Lime, Chloride of."

Blues (Aniline, Chinese, Prussian, &c.) for Staining, Dyeing, Paper-making, &c.—*LONDON*—Gas P. Co., Hodson. *COUNTRY*—Badams, Bibby H., Goadsby, Maples, Nichols, Sissons, Threlfall, Wilkinson G. & Co., Witton.

Blues, Liquid.—*LONDON*—Harding.

Borax.—*LONDON*—Howard. *COUNTRY*—McClellan, Wood E. *SCOTCH*—Townsend J.

Brimstone.—*See* "Sulphur."

Brimstone Refiners.—*LONDON*—Hills. *COUNTRY*—Bouck & Co.

Bromine.—*SCOTCH*—Paterson W. & M.

Calcium, Chloride.—*COUNTRY*—Gamble, Gaskell, Greenbank Co., Netham Co. Winsor,

- Carbon, Bisulphide.**—*LONDON*—Forster, Gas P. Co. *COUNTRY*—Fisher, Hartley.
- Carbon, Tetrachloride.**—*COUNTRY*—Fisher.
- Carburine.**—*LONDON*—Carless.
- Chalk, Refined, Precipitated, Prepared, &c.**—*COUNTRY*—Holloway, Sturge.
- Charcoal, Animal.**—*LONDON*—Cowan, Torr. *COUNTRY*—Hadfield T., Knight, Lockyer, Peate.
- Charcoal, Wood.**—*COUNTRY*—Armitage W., Brown, Cannock Co., Coupe, Chivers C., Chivers T., Farrimond, Hadfield T., Hirst, Kilner, Lewis G., Melinorythan Co., Morgans, Morris Wm., Morris Wm., Nicholls J., Nicholson T., Pontithell Co., Pontrilas Co., Singleton J., Smith E., Vivian, Ynis Co. *SCOTCH*—Townsend J.
- Chemicals, Pharmaceutical Generally.**—*LONDON*—Allen, Bush, Cox, Hopkin, Howard, Huskisson, May, Morson, Wright. *COUNTRY*—Bailey, Ransom, Reade, Southall. *SCOTCH*—Smith, T. & H.
- Chemicals, Photographic.**—*LONDON*—Allen Dunn, Johnson M., Johnson, J. *COUNTRY*—Bailey W., Harris.
- Chlorates.**—*LONDON*—Forster.
- Cinchonine.**—*LONDON*—Whiffen.
- Colours, Artists.**—*LONDON*—Rowney, Winsor.
- Colours.**—*See* "Colour Manufacturers, London, Country, and Scotland."
- Coprolites.**—*COUNTRY*—Cambridge Co., Prentice.
- Copperas.**—*LONDON*—Mockford. *COUNTRY*—Astle, Bailes, Birdsall, Bradburn, Crowther G. J., Crowther H., Farmer, Gregson, Hunter & Co., Lawson F., Nicholson J., Ogden, Reeve, Smith D., Spence Bros., Townsend. *SCOTCH*—Wilson.
- Copper, Acetate.**—*COUNTRY*—Robinson, E.
- Copper, Nitrate.**—*COUNTRY*—Robinson, E.
- Copper, Precipitate.**—*COUNTRY*—Bradburn.
- Copper, Solutions.**—*COUNTRY*—Bowden, Forrester.
- Copper, Sulphate.**—*COUNTRY*—Bouck, Bradburn, Haslem, Peyton.
- Creosote.**—*LONDON*—Battley, Bethell John & Co., Crow, Dickinson, Dussek, Gabriel, Griffiths, Grindley, Morson, Smith Bros., Winstone, Windham, *COUNTRY*—Bethell, Bond, Burt B. & H., Butler W., Cotton, Culpan, Demuth, Elsworth, Gunton, Green, Harvey, Kelly, Lookwood, Mather, Metcalf T., Robinson, Turner, Wright. *SCOTCH*—Bogie, Bonnington Co., Briggs, Ross.
- Cudbear.**—"See Orchil."
- Disinfectants.**—*LONDON*—Condy. *COUNTRY*—Spence Brothers.
- Dyes.**—*LONDON*—Fry, Hatton, Smith B., Sutton. *COUNTRY*—Bowdler Brookside Co., Casthelaz, Dentith, Forrester, Milnes, Perkin, Roberts D., Smith D., Wilkinson B.
- Dyes, Aniline.**—*LONDON*—Barnes, Brook, Holt, Judson, Reynolds, Southwell, Wilson W. *COUNTRY*—Bibby, Brooke, Bowden, Casthelaz, Clayton Co., Holliday, Levinstein, Longshaw, Perks, Raymond, Thompson, Roberts, Dale, Wade, Wilkinson B., Williams.
- Dyers' Solutions.**—*See also* "Bleaching Liquor," "Iron Solutions," "Tin Solutions," &c. *LONDON*—Freeman Bros., Hatton. *COUNTRY*—Blacker, Blythe, Bottomley, Bowden, Calvert, Dentith, Drake, Farmer J., Fielding, Higgin, Huggon, Jackson T. H., Johnson T., Metcalf T., Mucklow, Nicholson J., Schofield, Tennants & Co., Thompson, Townsend.

- Dyers' Spirits.**—*LONDON*—Robbins. *COUNTRY*—Birdsall, Cowburn, Crowther H., Hornby, Jackson T. H., Kaye, Reeve, Robinson E., Smith D.
- Epsom Salts.**—*See* "Salts, Epsom."
- Fluorides.**—*COUNTRY*—Smith D.
- Garancine.**—*COUNTRY*—Milnes.
- Glauber Salts.**—*See* "Salts Glauber."
- Gold, Chloride.**—*LONDON*—Johnson M., Johnson J.
- Hydrochloric Acid.**—*See* "Acid Muriatic."
- Indigo Blues.**—*See* "Blues."
- Indigo Extracts and Solutions.**—*LONDON*—Sutton. *COUNTRY*—Adams, Birkby, Blacker, Brookside Co., Haas, Hodges, Howarth J., Kaye, Marshall, Norris, Richardson J., Robinson E., Watson, Wood & B., Wilkinson B. *SCOTCH*—Workman.
- Iodine.**—*SCOTCH*—Paterson W. & M., Paterson W.
- Iron, Acetate.**—*COUNTRY*—Robinson E.
- Iron, Muriate.**—*LONDON*—Smith P. *COUNTRY*—Robinson E.
- Iron, Liquor.**—*COUNTRY*—Armitage W., Astle, Barrow, Farrimond, Kilner, Pochin, Rooke, Rumney, Southern G., Southern T., Vaughan, Walker I., Windle. *SCOTCH*—Campbell. *IRISH*—McKinlay.
- Iron, Nitrate.**—*LONDON*—Smith P. *COUNTRY*—Birdsall, Day, Robinson E.
- Iron, Oxide.**—*COUNTRY*—Austin, Bradburn, Matthew J., Marriott.
- Iron, Pyrolignite.**—*COUNTRY*—Hirst.
- Iron, Solutions.**—*COUNTRY*—Birdsall, Birkby, Bowden, Crowther G. J., Crowther Wm., Forrester, Ormerod.
- Iron, Sulphate.**—"*See* Copperas."
- Lampblack.**—*COUNTRY*—Butler W., Cannop Co., Hoyle.
- Lavender, Distiller.**—*COUNTRY*—Perks S.
- Lead, Acetate.**—*See* "Lead, Sugar of."
- Lead, Nitrate.**—*COUNTRY*—Bouck.
- Lead, Sugar of, White, Grey, Brown.**—*COUNTRY*—Bevan, Cannop Co., Chivers C., Chivers T., Jones, Melincrythan Co., Morris D., Morris W., Vaughan, Walker J. *SCOTCH*—Campbell.
- Lead, White.**—Washington Co.
- Lime, Acetate.**—*COUNTRY*—Bevan, Brown, Chivers C., Chivers T., Hadfield T., Jones, Kilner, Lewis G., Melincrythan Co., Morgans, Morris D., Morris W., Nicholls J., Nicholson, Pontrilas Co., Pontithell Co., Rooke, Singleton, Smith, E., Trotter, Vaughan, Vivian, Walker J. *SCOTCH*—Garroway, Sutton.
- Lime, Bisulphite.**—*LONDON*—Alment, Boake, Dunn, Forster. *COUNTRY*—Bailey, Coleman, Collett, Kendall, Marriott, Reade. *SCOTCH*—Garroway.
- Lime, Chloride of.**—*COUNTRY*—Adkins, Allen, Atlas Co., Bealey, Bramwell, Bridgewater Co., Burnett T., Carville Co., Cook Bros., Cook, Crosfield, Frazer, Gamble, Gaskell, Golding, Hall Bros., Hay-Gordon, Hemingway, Hunt W., Imeary, Jarrow Hill Co., McClellan, Marsh, Mathieson, McBryde, Mease, Muspratt Bros., Muspratt Jas., Netham Co., Pattinson, Pilkington, Richardson J. G., Runcorn Co., Sheldon, Smith & Mawdsley, St. Bede's Co., Sullivan, Taylor, Tennant C., Tyne Co. *SCOTCH*—Bell, Henderson. *IRISH*—Boyd, Mooney.
- Lime, Hyposulphite.**—*See* "Antichlorine."
- Lime, Muriate.**—*COUNTRY*—Greenbank Co.
- Lime, Nitrophosphate.**—*COUNTRY*—Winship.

- Lime, Phosphate.**—*COUNTRY*—Burnard, Croff, Fletcher, Kenyon, Liverpool Co., Pearson, Yorkshire Co.
- Lime, Pyrolignite.**—*COUNTRY*—Austin.
- Lime, Sulphite.**—*LONDON*—Alment, Boake. *COUNTRY*—Bailey.
- Lime, Superphosphate.**—*LONDON*—Farmer. *COUNTRY*—Burrell T., Burrell R. & W., Cambridge Co., Chapman, Crabb, Dixon, Ellis Jos., Fison Jas., Goole Co., Hodgson, Morris & Griffin, Pashley, Pearson, Prentice, Renner, Sharon Co., Thorpe, Vickers Thos., Vivian, Winahip.
- Liquor, Dinging.**—*See* "Dinging Liquor."
- Liquor, Red.**—*See* "Red Liquor."
- Magnesia.**—*COUNTRY*—Bailey, Watson, Washington Co.
- Magnesia, Citrate.**—*LONDON*—Bishop, Bush, Dunn, Lauder, Squire. *COUNTRY*—Sturge.
- Magnesium Chloride.**—*COUNTRY*—Winser.
- Manganese Oxide.**—*COUNTRY*—Dobb.
- Manures.**—*See also* "Lime Nitrophosphate, Superphosphate, &c., &c."—*LONDON*—Agricultural Co., Arnott Bros., Day, Edgington, Farmer, Gibbs, Guarantee Co., Hadfield, Hale, Hall, Hallet, Hempleman, Hunt, Lawes, Mackay, Miller, Mockford, Nitrophosphate Co., Purser, Salmon, Standen, Stevens, Universal Co., Wilson G. *COUNTRY*—Ashworth Jos., Atkinson, Austin, Baly, Barrow, Bradbury, Burnard, Burrell R., Burrell J. T., Cambridge Co., Cargreen Co., Cleveland Co., Chapman, Crabb, Colchester, Dantec, Davis S. T., Ellis Jos., Farmers' Co., Fisher, Fison Jos., Fison Jas., Fletcher T., Goole Co., Griffin, Hadfield T., Hadfield Geo., Hills E., Hodgson, Hunt J., Jennings, Jordan, King, Knight J., Langdale, Liverpool Co., Lockyer, Marriot, Mathews A., Mathews P., Meggitt, Morris Bros., Morris & Griffin, Morrison, Murray, Murrell, Newcastle Co., Noble, Norrington H., Packard, Pashley, Peak, Pearson, Pinkney, Prangley, Prentice, Proctor, Proctor H., Reeves, Renner, Royston, Rumney, Rusco, Sharon Co., Soulbly, Spooner, Staton, Threlfall, Thorpe, Toynbee, Tigers, Urban Co., Vickers, Webb & Son, Webb H., Weedon, Wells & Co., West of Eng. Co., Widnes Phos. Works, Wilson J. W., Wolverhampton Co. *SCOTCH*—Arthur, Hutton, Lindsay, McGeachy, McLean, Miller J., Nitro-Carbon Co., Poynter, Ramsay, Rogers, Townsend J., Wilson R. H., Wood & Sons. *IRISH*—Dublin Co., Goulding, Ritchie, Springback Co.
- Methyl, Hydrated Oxide of.**—*COUNTRY*—Melincrythan Co.
- Mirbane.**—*COUNTRY*—Clayton Co.
- Mordants.**—*See also* "Dyers' Solutions," &c. &c.—*COUNTRY*—Blacker, Calvert, Coupe, Farrimond.
- Morphia.**—*LONDON*—Howard, Smith. *SCOTCH*.—McFarlan.
- Muriatic Acid.**—*See* "Acid Muriatic."
- Naphtha, Solvent, Miscible, Wood, and Coal.**—*LONDON*—Alum Co., Barnes, Battley Blott, Carless, Catchpole, Crow, Dickinson, Dussek, Forster, Griffith, Grindley, Smith Bros., Worringham. *COUNTRY*—Armitage, Bankhall, Bethell Co., Bevan, Bond, Brown, Burt B. & H., Butler W., Cannop Co., Coupe, Chivers C., Chivers T., Cotton, Crompton, Demuth, Dobson, Elsworth, Farrimond, Fisher, Gunton, Greenwood, Hadfield T., Hirst, Holliday, Jones, Kelly, Kempson, Kilner, Lawrie, Lewis G., Mather, Melincrythan Co., Metcalf T., Metcalf W., Morgans, Morris D., Morris Wm., Morris Wm., Murray Bros., Nicholls J., Nicholson T., Plumbe, Pontithell Co., Pontrilas Co., Singleton J., Smith E., Thacker, Trotter, Turner, Vaughan, Vivian, Wade, Walker, Wright, Ynis Co. *SCOTCH*—Bogie, Bonnington Co., Briggs, Campbell Dalziel, Fren,

- Hutton, Lindsay, McFarlane, MacKenzie, Miller G., Miller J., Perth Gas Co., Ross, Shand, Turnbull, Warburton, Weir. *IRISH*—Ritchie.
- Nitrates.—*LONDON*—Forster, Waide.
- Oils.—*COUNTRY*—Fisher, Fletcher I.
- Oil of Vitriol.—*See* "Acid Sulphuric."
- Orchil and Cudbear.—*LONDON*—Burton, Smith B., Sutton. *COUNTRY*—Birkby, Carr Jos., Carr Jas., Hirst, Norris, Robinson Jas., Wood & B., Wilkinson B.
- Oxides, Metallic.—*See* "Colours."
- Paraffin.—*SCOTCH*—Uphall Co., West Calder Co.
- Pearlash.—*See also* "Potash." *COUNTRY*—Hickling.
- Pepsine.—*COUNTRY*—Claridge.
- Pharmaceutical Preparations.—*See* "Chemicals, Pharmaceutical."
- Phosphorus.—*COUNTRY*—Albright, Bradburn, Hunt & Sons. *SCOTCH*—Readman.
- Phosphorus, Amorphous.—*COUNTRY*—Albright.
- Pitch. — *LONDON* — Alum Co., Crow, Dickinson, Dussek, Griffith, Grindley. *COUNTRY*—Appleby, Bethell J. & Co., Butler & Co., Culpan, Demuth, Elsworth, Gunton, Harvey W., Kelly, Kempson, Morgans, Morris W., Pontithell Co., Turner, Wright. *SCOTCH*—Briggs, Miller J., Ross.
- Potash.—*COUNTRY*—Bradley, Hickling, Sturge.
- Potash, Acetate.—*LONDON*—Dunn.
- Potash, Bicarbonate.—*LONDON*—Huskisson. *COUNTRY*—Sturge.
- Potash, Bichromate.—*COUNTRY*—Norris. *SCOTCH*—White.
- Potash, Chlorate.—*COUNTRY*—Albright, Gamble, Greenbank Co., Hardshaw Co., Hunt & Sons, Kurtz, Muspratt Jas., Tyne Co.
- Potash, Chromate.—*LONDON*—Smith B.
- Potash, Manganate.—*LONDON*—Condy.
- Potash, Nitrate.—*See* "Saltpetre."
- Potash, Permanganate.—*LONDON*—Alment, Condy.
- Potash, Prussiate.—*COUNTRY*—Badams, Crook, McKinnon, Nield. *SCOTCH*—Hurlet Co.
- Potash, Silicate.—*COUNTRY*—Gossage, Rumney.
- Potash, Sulphate. — *COUNTRY* — Henry, Jones W., Kenyon. *SCOTCH* — Paterson.
- Potassium, Bromide.—*LONDON*—Huskisson. *COUNTRY*—Southall.
- Potassium, Cyanide.—*LONDON*—Johnson J. *COUNTRY*—Collier, Dobb, Harris.
- Potassium, Iodide.—*LONDON*—Huskisson.
- Quinine.—*LONDON*—Howard, Whiffen.
- Red Liquor. — *COUNTRY* — Barrow, Farrimond, Pochin, Rooke, Rumney, Southern T., Vaughan. *SCOTCH*—Garroway.
- Rosin.—*LONDON*—Catchpole, Grindley, Smith Bros. *COUNTRY*—Butler & Co., Smith T., Tall.
- Sal Acetosella.—*COUNTRY*—Pritchard.
- Sal Ammoniac.—*See* "Ammonia."
- Salicine.—*LONDON*—Wiffen.
- Sal Prunella.—*See* "Saltoake."
- Salt.—*COUNTRY*—Blackwell Jas., Blackwell Jno., Bourne, Bush, Corbett J., Droitwich Co., Droitwich Salt Co., Holbrook, Joule, Lycelt, Ogilvie, Seddon, Verdon, Wheelock, Wilkinson & L. Wood W.
- Saltcake.—*See also* "Soda Sulphate."—*LONDON*—East London Co. *COUNTRY*—Adkins, Bealey, Bevan, Bridgewater Co., Cannop Co., Golding, Hall Bros.,

- Hardshaw Co., Hay-Gordon, Hutchinson, Howarth W., McClellan, Potter, Runcorn Co., Smith & Mawdsley, Sullivan, Taylor, Vivian. *IRISH*—Mooney.
- Saltpetre.—*LONDON*—Brandram Bros., East London, Squire. *COUNTRY*—Peyton, Roberts Thos., Slack, Wilson J. T., Wilton Co. *SCOTCH*—Townsend J.
- Salts, Epsom.—*LONDON*—Allen, Bethell John & Co., Howard. *COUNTRY*—Bibby, Armstrong, Gamble, Jones W., Robinson T., Winsor. *SCOTCH*—Paterson W. & R.
- Salts, Glauber, Liquid, and Dry.—*See also* "Soda Sulphate."—*LONDON*—Ellis. *COUNTRY*—Jarrow Co., Morrow, Sharon Co., Townsend. *SCOTCH*—Garraway.
- Salts, Spirits of.—*See* "Acids"—Muratic—Hydrochloric.
- Salts, Rochelle.—*LONDON*—Howard. *COUNTRY*—Sturge.
- Silver, Nitrate.—*LONDON*—Johnson M., Johnson J.
- Soda, Acetate.—*LONDON*—Dunn. *COUNTRY*—Chivers C., Jones, Lewis G., Morgans, Morris D., Morris Wm., Ogden, Singleton J., Trotter, Watson.
- Soda, Arseniate, and Binarseniate.—*COUNTRY*—Pochin, Tennants & Co., Vicars T.
- Soda Ash.—*COUNTRY*—Adkins, Allen, Birdsall, Bagilt Co., Bealey, Bramwell, Bridgewater Co., Bury, Burnett T., Carvill Co., Cook Bros., Cook Jno., Crosfield, Crowther Hor., Frazer, Gamble, Gaskell, Heworth Co., Haslem, Hunt, Hutchinson W., Imeary, Jackson, T. H., Jarrow Co., Jarrow Hill Co., Johnson T., Kurtz, Lockwood L., Lyon, Marsh, McClellan Mease, Mort, Muspratt Bros., Muspratt Jas., Netham Co., Nicholson J., Potter, Richardson J. G., Riley, Roberts T., Runcorn Co., Schofield, Sheldon, Slack, Smith & Mawdsley, Sullivan, St. Bede's Co., Taylor M. & G., Tennant C., Tyne Co., Washington Co., Vivian, Wells & Co., Widnes Co. *SCOTCH*—Garraway, Henderson, Tennant. *IRISH*—Mooney.
- Soda, Bicarbonate.—*LONDON*—Huskisson. *COUNTRY*—Gaskell, Hutchinson, Hunt, Jarrow Co., Kurtz, Marsh, Muspratt Bros., Pattinson. *SCOTCH*—Henderson.
- Soda, Bisulphite.—*LONDON*—Alment, Boake. *COUNTRY*—Collett, Marriott. *SCOTCH*—Gardiner, Lundy.
- Soda, Carbonate.—*COUNTRY*—Lyon.
- Soda, Caustic, White, Yellow Cream.—*COUNTRY*—Barrow J., Bagilt Co., Bouck, Bridgewater Co., Bury, Crosfield, Farmer, Gamble, Gaskell, Golding, Greenbank Co., Gregson, Hutchison, Hunt, Jarrow Co., Kurtz, Lockwood, Lyon, Marsh, McBryde, Morrow, Mort, Muspratt Bros., Muspratt Jas., Netham Co., Pilkington & Son, Riley, Roberts Dale, Roberts T., Schofield, Sullivan, Wells Taylor M., Widnes Co. *SCOTCH*—Garraway, Henderson. *IRISH*—Mooney.
- Soda Crystals.—*COUNTRY*—Allen, Bealey, Burnett T., Carville Co., Cook Bros., Cook Jno., Dobson, Fletcher J., Gamble, Gaskell, Heworth Co., Hunt W., Hutchinson, Imeary, Jackson J. & T., Jackson T. H., Jarrow Co., Jarrow Hill Co., Kurtz, Mease, Muspratt Bros., Netham Co., Pattinson, Runcorn Co., Smith & Mawdsley, St. Bede's Co., Tennant C., Tyne Co., Uttley, Vivian, Washington Co. *SCOTCH*—Henderson, Tennant.
- Soda, Hypo Sulphite.—*LONDON*—Dunn. *SCOTCH*—Gardiner, Lundy, Paterson W. & R.
- Soda, Manganate.—*LONDON*—Condy.
- Soda, Nitrate.—*COUNTRY*—Austin, Liverpool Co.

- Soda, Permanganate.—*LONDON*—Alment, Condy.
 Soda, Phosphate.—*LONDON*—Dunn. *COUNTRY*—Vivian. *SCOTCH*—Read.
 Soda, Silicate.—*COUNTRY*—Crosfield, Gossage, Rumney. [man.
 Soda, Stannate.—*COUNTRY*—Tennants & Co.
 Soda, Sulphate.—*See also* "Glauber Salts," and "Saltcake."—*LONDON*—Cumberland, Farmer. *COUNTRY*—Beatson, Birdsall, Bradburn, Cannan, Crowther Hor., Fletcher, Gibbs Jas., Goole Co., Hill W., Hunt Bros., Jones W., Mathieson, Muspratt Jas., Netham Co., Nicholson J., Ormerod, Pilkington, Richardson J. G., Spooner, St. Bede's Co., Tyne Co., Vivian. *SCOTCH*—Townsend B. *IRISH*—Boyd.
 Soda, Sulphite.—*LONDON*—Alment, Boake. *SCOTCH*—Gardiner, Lundy, Paterson W. & R., Readman.
 Soda, Tungstate.—
 Soda, Washing.—*COUNTRY*—Adkins, Bailey, Drake, Grimshaw, Johnson T., Payne.
 Spirits, Dyers'. *See* "Dyers' Spirits."
 Strontia, Nitrate.—*LONDON*—Cumberland, Squire.
 Strychnine.—*LONDON*—Whiffen.
 Sulphur.—*LONDON*—Brandram Bros, Gas P. Co. *COUNTRY*—Albright, Netham Co., Roberts T., Slack, Tharsis Co., Wilton Co. *SCOTCH*—Paterson, Tennant.
 Sulphur, Chloride.—*LONDON*—Alment, Forster, Gas P. Co. *COUNTRY*—Barrow, Fisher.
 Sulphur, Flowers of.—*LONDON*—Hills, Scott. *COUNTRY*—Roberts T., Wilton Co.
 Sulphur, Precipitated.—*LONDON*—Forster.
 Superphosphates. *See* "Lime Superphosphates."
 Tar and Turpentine.—*LONDON*—Alum Co., Bowes, Burt, Butler, Catchpole, Clark, Clayton, Clerc, Fenner, Grindley, Hubbuck, Harrison, Price, Robertson, Robinson, Smith Bros., Southwell. *COUNTRY*—Armitage W., Appleby, Barrow J., Bennett, Blott, Bouck, Bowens, Dickinson, Elsworth, Farrow, Hoyle Robson, Hoyle Rich., Isherwood, Lawrie, Levinstein, Maguire, Major, Mather, Morgans, Morris W., Peate, Pontithel Co., Pontrillas Co., Runcorn Co., Singleton, Stainsby, Tall, Turner, Vivian, Wells P., Williams & Lamb. *SCOTCH*—Bogie, Bonnington Co., Briggs, Dalsholm Co., McFarlane, Mackenzie, Miller, Ross, Smith R.
 Tar Products.—*LONDON*—Davey, Dussek, Perkin. *COUNTRY*—Butler & Co., Demuth, Holliday, Horrocks Jas., Hyde Co., Johnson T., Kurtz, Lowe, Major, Metcalf T., Plumble.
 Tin Crystals.—*COUNTRY*—Bowden, Brookside Co., Bury, Forrester, Rumney, Smith P., Tennants & Co., Wilkinson B. *SCOTCH*—Garraway.
 Tin, Muriate.—*LONDON*—Smith P. *COUNTRY*—Bury, Day. *SCOTCH*—Hope.
 Tin, Solutions.—*LONDON*—Kerney, Smith B. *COUNTRY*—Birdsall, Birkby, Bowden, Cowburn, Crowther G. J., Crowther Hor., Crowther Wm. & Son, Forrester, Jackson T. H., Metcalf T., Ormerod, Robinson E., Southern G., Southern T., Sugden.
 Toluol.—*COUNTRY*—Demuth, Turner.
 Turpentine.—*See* "Tar and Turpentine."
 Ultramarine.—*LONDON*—Ehrensperger. *COUNTRY*—Rawlins.
 Valerianates.—*LONDON*—Forster.
 Vitriol, Oil of. *See* "Acid Sulphuric."
 Zinc, Chloride.—*LONDON*—Allen. *COUNTRY*—Winsor.
 Zinc, Oxide.—*LONDON*—Fenner, Hubbuck.
 Zinc, Sulphate.—*COUNTRY*—Bouck & Co., Tennants & Co. *SCOTCH*—Poynter.

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London and Suburbs.

- AGRICULTURAL MANURE COMPANY, Manager and Chemist, THOS. FOGG, F.C.S., Kent Wharf, Deptford Creek, S.E.—*Chemical Manures*.
- ALLEN FREDERICK, & SONS, Phoenix Chemical Works, Bow Common, Poplar, E.—*Muriatic, Sulphuric, Sulphurous, Nitric, Nitrous, Oxalic, and Phosphoric Acids, Epsom Salts, Sulphate and Liquid Nitrate, and Phosphate of Ammonia, Sulphate, Sulphite, and Phosphate of Soda, Sulphate and Chloride of Zinc, Bisulphite of Lime, Nitrates of Baryta and Strontia, Pharmaceutical and Photographic Chemicals, &c., &c.*
- ALMENT & Co., Stratford Bridge Chemical Works, Stratford, E.—*Sulphites, Bisulphites of Lime and Soda, Permanganate Potash, Soda, and Chloride Sulphur.*
- ALUM AND AMMONIA COMPANY, Wool Exchange, Coleman Street, E.C.—*Alum, Aluminous Cake, Sulphuric Acid, Sulphate of Ammonia, Pitch, Tar and Naphtha, and Nitric.*
- ARNOTT BROTHERS & Co., 88A, King William Street, E.C., and Albion Chemical Works, Cuba Street, Millwall, E.—*Chemical Manures, and Sulphate of Ammonia.*
- AUSTIN, HENRY, & Co., 125, Bermondsey Street, S.E.—*Ammonia.*
- BARNES, WM. CHAS., Phoenix Chemical Works, Hackney Wick, E.—*Acetic Acids, Naphtha, Benzole, Aniline.*
- Do. Do. Willow Works, Hackney Wick, E.—*Anilines.*
- BATTLE & BUTLER, Bow Common, E.—*Creosote, Naphtha, &c.*
- BEAUFOY & Co., South Lambeth, S.—*Acetic Acids, &c.*
- BETHELL, JOHN, & Co., 98, King William Street, E.C.—*Sulphate of Alumina or Cake Alum, Epsom Salts, Creosote, Carbolic Acid, Anthracene*; see also BETHELL, JOHN, & Co., in country.
- BISHOP, ALFRED, 17, Specks Fields, Spitalfields.—*Citrate Magnesia.*
- BLOTT, JOHN & JONATHAN & Co., Eagle Chemical Works, Crisp Street, Poplar, E.—*Benzine, Naphtha, Carbolic Acid, &c.*
- BOAKE & Co., Clonskea Works, Warton Road, Stratford, E.—*Sulphites and Bisulphites of Soda and Lime.*
- BRANDHAM BROTHERS & Co., 5, Philpot Lane, E.C.; and Lower Road, Rotherhithe, S.E.—*Oil of Vitriol, Sulphur, Saltpetre, &c.*
- BROOKE, SIMPSON, & SPILLER, 9, Fenchurch Street; and Atlas Works, Hackney Wick.—*Alizarine, Aniline Dyes, &c.*
- BURT, H. P., & Co., Victoria Docks, Plaistow.—*Turpentine, Tar, &c.*
- BURTON & Co., 2, Green Street, Bethnal Green, E.—*Orchil and Cudbear.*
- BUSH, WILLIAM JOHN, Artillery Lane, E.C.; and Hackney—*Essential Oils, Citrate Magnesia, Pharmaceutical Preparations, &c.*
- CARLESS, CAPEL & LEONARD, Hope Chemical Works, Hackney Wick, E.—*Benzine, Benzole, Benzalene, Gasoline, Carburine, Naphtha, Burning and Solvent, &c.*

- CATCHPOLE, E. & J., Plough Bridge, Rotherhithe, S.E.—*Naphtha and Tar Distillers, Rosin, &c.*
- CHLORALUM COMPANY, 66, Stocks Road, Bermondsey, S.E.
- CLARKE, GEORGE, & Co., 1, Bury Street, E.C.—*Tar and Turpentine.*
- CLAYTON & Co., Black Horse Bridge, Deptford, S.E.—*Tar and Turpentine.*
- CLERC & LEON, Commercial Street, E.; and Bow—*Tar and Turpentine.*
- CONDY, H. BOLLMANN & Co., 66, Queen Victoria Street, E.C., and Condy's Works, Battersea, S.W.—*Manganates and Permanganates of Potash and Soda, Acetic Acid, Acetate of Ammonia, Condy's Fluid, &c.*
- CORY, DR. HORACE, & Co., Hatcham Works, Manor Street, Old Kent Road, S.E.—*Acetic Acid and Pharmaceutical Chemicals, &c.*
- COWAN, L. & SONS, Hammersmith Bridge Works, Barnes, Surrey, S.W.—*Animal Charcoal and Sulphate of Ammonia.*
- COX, GOULD, & Co., 38, Chicksand Street, Whitechapel, E.—*Acetic Acid.*
- CROW, THOMAS, Abbey Creek Wharf, West Ham, Essex, E.—*Tar, Naphtha, Creosote, Anthracine, Pitch, Sulphate and Muriate Ammonia.*
- CUMBERLAND, HENRY, Millwall, E.—*Sulphuric and Nitric Acids, Sulphate of Soda, Nitrate of Strontia and Baryta, &c.*
- DAVEY, WILLIAM, Marsh Gate Lane, Stratford, E.—*Tar Distiller.*
- DICKINSON, ARTHUR JOHN, Trundley Lane, Deptford, S.E.—*Anthracine, Carbolic Acid, Creosote, Naphtha, Tar, Pitch, Sulphate of Ammonia.*
- DUNN & Co., Stirling Chemical Works, Abbey Lane, West Ham, E.—*Acetic, Muriatic, Phosphoric, and Sulphurous Acids, Acetates of Potash and Soda, Soda Hyposulphite, Citrate of Magnesia, Bisulphite of Lime, Phosphate Ammonia, Photographic Chemicals.*
- DUSSEK, ALEXANDER LOUIS, Windmill Lane, Deptford, S.E.—*Carbolic Acid, Creosote, Naphtha, Tar and Pitch.*
- EAST LONDON SALTPETRE WORKS, LIMITED, Stainsby Road, Limehouse, E.—*Refined Saltpetre, Sal Prunella.*
- EDGINGTON & Co., 60, Old Kent Road, S.E.—*Chemical Manures.*
- ELLIS & Co., 59, Mark Lane, E.C., and Avenue Chemical Works, Old Ford, E.—*Acetic, Nitric, Sulphuric and Sulphurous Acids, Glauber and other Salts, Patent Alum, Sulphate of Alumina, Aluminous Cake, &c.*
- FARMER, THOMAS, & Co., Hall's Wharf, Victoria Docks, E.; and Dunster House, Mark Lane.—*Oil of Vitriol, Nitric and Muriatic Acids, commercial and pure, and Chemical Manures.*
- FENNER, N. & J., Millwall, E.—*Oxide Zinc, Tar and Turpentine.*
- FINCH, MARK & Co., Silvertown Chemical Works, Victoria Docks, E.—*Sulphuric, Hydrochloric, and Nitric Acids, Sodid Sulphate, &c.*
- FORBES & ABBOTT, Iceland Wharf, Old Ford, E.
- FORSTER & GREGORY, Lonesome Works, Streatham Common, S.W.—*Bisulphide of Carbon, Chloride of Sulphur, Naphtha, Benzole, Bisulphite of Lime, Hypophosphates, Valerianates, Chlorates, Nitrates, Precipitated Sulphur, &c.*
- FREEMAN BROTHERS, Collingwood Street, Blackfriars Road, S.—*Dyers' Solutions.*

- FRY, J., Grove, Great Guildford Street, S.E.—*Dyes*.
- GABRIEL, T., & SONS, Thames Street, Rotherhithe, S.E.—*Creosote*.
- GAS PURIFICATION AND CHEMICAL COMPANY, LIMITED, 161, Palmerston Buildings, Old Broad Street, E.C., and Warton Road, Stratford, E.; W. J. NOTMAN, Manager.—*Ammonia, Salts, Prussian Blue, Sulphur (extract), Chloride of Sulphur, Sulphide of Antimony, Bisulphide of Carbon*.
- GIBBS, JAMES, & Co., 16, Mark Lane; and Victoria Docks, E.—*Oil of Vitriol and Manures*.
- GRIFFITHS & Co., White Post Lane, Hackney Wick, E.—*Creosote, Anthracene, Naphtha, Benzole, Pitch, Carbolic Acid, Sulphate of Ammonia*.
- GRINDLEY & Co., Upper North Street, Poplar, E.—*Tar, Rosin, and Turpentine Distillers, Naphtha, Creosote, Anthracene, Pitch, &c*.
- GUARANTEED MANURE COMPANY, Cubitt Town, E.—*Chemical Manures*.
- HADFIELD, J., St. James's Road, Holloway, N.—*Chemical Manures*.
- HALE, W. H., New Road, Rotherhithe, S.E.—*Chemical Manures*.
- HALLETT, GEORGE, & Co., Norway Wharf 296, Rotherhithe Street, Surrey, S.E.—*Antimony Refiners, Chemical Manures*.
- HARDING, JAMES, 115, Exmouth Street, E.—*Liquid Blue*.
- HARRISON, THOMAS, & Co., Lower Road, Deptford, S.E.—*Tar and Turpentine Distillery*.
- HATTON, MRS. SOPHIA, & Co., White's Row, Whitechapel, E.—*Preparations for Silk, Cotton, Wool, and Leather Dyeing*.
- HEMPLEMAN, FREDERICK, West Ham, E.—*Manures*.
- HILLS, FRANK CLARKE, Chemical Works, Deptford, S.E.—*Tartaric Acid, Sulphuric Acid, Carbonate and Sulphate of Ammonia, Flower and Roll Brimstone, Refined Sulphur*.
- HOLT, THOMAS, Salamanca, Vauxhall Walk, S.—*Dyes*.
- HOPKIN & WILLIAMS, Bridgefield, Wandsworth, S.W.—*Pharmaceutical Preparations*.
- HOULDER, WILLIAM, SON, & Co., Paul's Wharf, Upper Thames Street, E.C.; Norwood Works, Southall, Middlesex.—*Oil of Vitriol*.
- HOWARD & SONS, City Mills, Stratford, E.—*Quinine, Sulphurous Acid, Borax, Epsom and Rochelle Salts, Tartaric, Citric, and Benzoic Acids, Morphia, and Pharmaceutical Chemicals*.
- HUBBUCK, THOMAS, & SON, 24, Lime Street, E.C.; and Hubuck's Wharf, Broad Street, Ratcliffe, E.—*Oxide of Zinc, Tar, and Turpentine*.
- HUNT, JARED TERRET, & SON, Bow Bridge Works, Stratford, E.—*Bone Manures*.
- HUSKISSON, WILLIAM & HENRY OWEN, Swinton Street, Gray's Inn Road, W.C.—*Bicarbonates Potash and Soda, Iodides and Bromide Potassium, and various Pharmaceutical Preparations*.
- JOHNSON, MATTHEY, & Co., 77, Hatton Garden, E.C.—*Nitrate Silver, Chloride Gold, Photographic Chemicals, &c*.
- JOHNSON, JOHN, & SONS, 28, Cross Street, Finsbury, E.C.—*Nitrate Silver, Chloride Gold, Cyanide of Potassium, Photographic Chemicals, &c*.

- JUDSON, DANIEL, & SON, Southwark Street, S.E.—*Aniline Dyes, &c.*
- KEMBALL, JOSEPH & Co., Three Mills Lane, Bromley, E.—*Tartaric Acid.*
- KERNEY, JAMES, Essex Chemical Works, High Street, Stratford, E.—*Nitric and Nitrous Acids, Aquafortis, and Tin Spirits.*
- LAUDER & CROSBIE, Bridge Mills, New North Road.—*Citrate Magnesia.*
- LAWES' CHEMICAL MANURE CO., LIMITED, T. ELBOROUGH, Secretary, 59, Mark Lane, E.C., Creek Road, Deptford, Kent, and Barking Creek, Essex.—*Chemical Manures, Sulphuric Acid.*
- LAWES, JOHN BENNET, Millwall.—*Tartaric Acid.*
- MAY & BAKER, Garden Wharf, Battersea, S.W.—*Pharmaceutical Chemicals.*
- MCDUGALL BROTHERS, 10, Mark Lane.
- MILLER & JOHNSON, 36, Mark Lane, E.C., and Rainham Ferry, Essex.—*Chemical Manures.*
- MOCKFORD & Co., Normandy Wharf, Deptford Creek, S.E.—*Alum, Green Copperas, and Manures.*
- MORSON, S., & SON, Hornsey Road, N.—*Creosote and Pharmaceutical Chemicals.*
- NITRO PHOSPHATE BLOOD MANURE COMPANY, JAMES ODAMS, Manager, 109, Fenchurch Street, E.C.—*Chemical Manures.*
- PAXTON, RICHARD, & Co., Broomfield Street, Poplar, E.—*Muriatic and Sulphuric Acids.*
- PONTIFEX & WOOD, Millwall Works, Millwall, E.—*Tartaric and Citric Acids, Oil of Vitriol, &c.*
- PRICE, CHARLES, & Co., Millwall, Poplar, E.—*Tar and Turpentine Distillery.*
- PURSER, EDWARD, London Manure Company, 116, Fenchurch Street, E.C., and Plough Wharf, Cubitt Town, Millwall, E.—*Chemical Manures.*
- REYNOLDS BROTHERS, 24, Mare Street, Hackney, E.—*Aniline Dyes, &c.*
- ROBBINS, JAMES, Gibraltar Walk, Bethnal Green Road, E.—*Nitric, Muriatic, and Sulphuric Acids, Dyers' Spirits, &c.*
- ROBERTSON, WILLIAM & Co., Falcon Wharf, Holland Street, S.E.—*Turpentine and Tar Distillery.*
- ROBINSON & Co., 9, Mincing Lane, E.C.—*Tar and Turpentine Distillers.*
- SALMON, HORATIO JOHN, Britannia Chemical Works, Drummond Road, Bermondsey—*Manures.*
- SCOTT & Co., Crown Works, Marshgate Lane, Stratford, E.—*Flowers of Sulphur, Muriatic, Acetic, and Sulphurous Acid.*
- SMITH, BENJAMIN, & SON, Corbet's Court, Brown's Lane, Spitalfields, E.—*Nitric Acid, Preparations of Tin, Orchil, and Cudbear, Dyes, Chromate Potash, Nitrous Acid, &c.*
- SMITH, PERCIVAL, & Co., 2, Bow Common Lane, Bow, E.—*Ammonia, Liquid Muriate and Sulphate, Iron Muriate and Nitrate, Tin Crystals and Muriate, and Muriatic, Sulphuric, and Nitric Acids.*
- SMITH BROTHERS & Co., 101, Leadenhall Street, E.C.; and Stratford, E.—*Creosote, Naphtha, Benzole, Tar, Turpentine, Rosin, &c.*
- SMITH, T. & H., 12, Worship Street, E.C.—*Morphia.*

- SQUIRE, W. S., & Co., Langthorne Chemical Works, Stratford, E.—*Mineral Acids, Salt Cake, Sulphate Potash, Glauber Salts, Saltpetre, Nitrates Strontia and Baryta, Citrate Magnesia, &c.*
- STANDEN, B., East Greenwich, S.E.—*Chemical Manures.*
- STEVENS, SON, & Co., 88, Mark Lane, E.C., and Bromley, E.—*Chemical Manures.*
- SUTTON, THOMAS, & SON, 25, Hickman's Folly, S.E.—*Dyes, Indigo Extracts, Orchil and Cudbear.*
- TIBBS, FREDERICK, 68, Chalk Farm Road, Camden Town, N.W.—*Annatto.*
- TORR, GEORGE, Trundley's Lane, Lower Road, Deptford, S.E.—*Animal Charcoal.*
- UNIVERSAL MANURE COMPANY, Globe Wharf, Rotherhithe, S.E.—*Chemical Manures.*
- WALLACE, H., & Co., New Road, Battersea Park, S.W.—*Sulphuric, Nitric, and Muriatic Acids.*
- WHIFFEN, THOMAS, Lombard Road, Battersea, S.W.—*Quinine, Strychnine, Salicine, &c.*
- WHITE, THOMAS & ALFRED, Castle Street, Saffron Hill, E.C.—*Oil Vitriol.*
- WILLIAMS, THOMAS & DOWER, Star Chemical Works, New Brentford—*Aniline Dyes and Colours.*
- WILSON, W., & Co., 1 Jubilee Street, Mile End Road.—*Aniline Dyes.*
- WILSON, GEORGE, H., Forest Lane, Stratford, E.—*Sulphuric Acid and Bone Manures.*
- WINDHAM, & Co., Victoria Dock, E.—*Creosote.*
- WINSTONE, BENJAMIN, 100, Shoe Lane, E.C.; and Stratford, E.—*Creosote.*
- WORRINGHAM, THOMAS, H., & Co., Black Horse Road, Deptford, S.E.—*Naphtha.*
- WRIGHT, SELLERS, & RAYNER, Southwark Street, S.E.—*Pharmaceutical Preparations.*

CHEMICAL MANUFACTURERS.

Counties.

(P S denotes Passenger Station, G S Goods Station.)

- ADAMS & WHITE**, Bromsgrove, Worcestershire, P & G S Bromsgrove, 1 m.—*Indigo Extracts*.
- ADKINS, THOMAS, & Co.**, Smethwick, Birmingham, Staffordshire, P & G S Soho, L & N W R $\frac{1}{2}$ m.—*Red Lead, Oil of Vitriol, Muriatic Acid, Soda, Soda Ash, Salt Cake*.
- ALDRED, J.** (Ex. of the late), Chemical Works, Rotherham, Yorkshire.
- ALBRIGHT & WILSON**, Oldbury (Worcestershire), near Birmingham, P S Langley Green, G W R, $\frac{1}{2}$ m., G S Spon Lane, L & N W R, $1\frac{1}{2}$ m., and West Bromwich, G W, $1\frac{1}{2}$ m.—*Phosphorus, Chlorate of Potash, Lac Sulphur, Amorphous Phosphorus*.
- ALLEN, JOHN & WILLIAM**, Wallsend, Newcastle-on-Tyne—*Alkali, Soda Ash and Crystals, and Bleaching Powder*.
- ANDERTON, EDWARD DIXON**, Carnon Vitriol Works, Devoran, Cornwall—*Sulphuric Acid*.
- APPLEBY, MRS., J.**, Heworthshore, Gateshead, Durham—*Tar, Turpentine, Pitch*.
- ARMITAGE AND SON**, Aston Road, Birmingham—*Sulphate and Muriate of Ammonia*.
- ARMITAGE, WILLIAM**, Victoria Chemical Works, Clarence Road, Leeds, P S Leeds, 1 m, G Midland, $\frac{1}{2}$ m.—*Naphtha, Iron Liquor, Wood Tar and Charcoal*.
- ARMSTRONG, HENRY**, Mulgrave Chemical Works, Lyth, Whitby, Yorkshire—*Alkali and Epsom Salts*.
- ARNOTT BROTHERS & Co.**, Albion Chemical Works, Neptune Street, Liverpool. London, 88A, King William Street, E.C.—*Chemical Manures*.
- ASBURY, E., & SON**, Louisa Street, Birmingham—*Oil of Vitriol*.
- ASHWORTH, JOSEPH**, Frodsham Bridge, Frodsham, Cheshire—*Bone Manures*.
- ASTLE, WILLIAM**, Etruria, Staffordshire—*Copperas and Iron Liquor, Ammonia Sulphate, Sulphuric, Muriatic, and Nitric Acids*.
- ATKINSON & RAPER**, Humber Chambers, Prince's Dock Street, Hull; Works: Stoneferry, Hull, P & G S Wilmington, $\frac{1}{2}$ m.—*Manures*.
- ATLAS CHEMICAL COMPANY, LIMITED**, Widnes, Lancashire, P & G S Widnes, $\frac{1}{2}$ m.—*Salt-Cake, Muriatic Acid, and Bleaching Powder*.
- AUSTIN, JOHN**, Allscott Chemical Works, Wellington, Salop—*Oil Vitriol, Pyroligneous Acid and Spirit, Pyroligneous Lime, Oxide Iron, Sulphate Ammonia, Nitrate Soda, Chemical Manures*.
- BADAMS BROTHERS**, Spring Hill Colour Works, Birmingham, G S Monument Lane—*Prussiate Potash, Pulp Chinese and Prussian Blues*.

- BAILES & HALLSWORTH, Armley Copperas Works, Leeds, P & G S Armley and Wortley, each $\frac{3}{4}$ m., and Leeds, 2 m.—*Copperas*.
- BAILEY, WILLIAM, & SON, Horseley Fields Cheml. Works, Wolverhampton, Staffordshire; London, 2, Abchurch Yard, Cannon Street, E.C.—*Photographic, Telegraphic, Pharmaceutical, and pure Chemicals, Sulphites and Bisulphites of Lime, Soda, Ammonia*.—See Advertisement.
- BAKER, H. J., Boulby Chemical Works, Saltburn, Yorkshire—*Alum*.
- BALY, SUTTON, & CO., Runham Cheml. Works, Yarmouth, Norfolk, P & G S Vauxhall, $\frac{1}{4}$ m.—*Sulphuric and Muriatic Acids, Sulphate Ammonia, and Chemical Manures*.
- BANKHALL OIL WORKS, LIMITED, Canada Docks, Liverpool—*Naphtha*.
- BAGILT CHEMICAL COMPANY, Bagilt, Flintshire—*Soda, Caustic and Ash*.
- BARROW, JOHN, Dalton Chemical Works, Clayton, near Manchester.—*Tar Products, Ammonia Liquor and Salts, Sulphur, Red and Iron Liquor, Acetic and Nitric Acids, Caustic Soda, &c*.
- BARROW, WILLIAM WRIGHT, Wilmington, Hull—*Chemical Manures*.
- BARTON, RICHARD WILLIAM, West Leigh Chemical Works, Leigh, Lancashire—*Alkali*.
- BASFORD CHEMICAL COMPANY (RICHARD EATON, Proprietor), Basford Cheml. Wks., Basford, Nottingham, P & G S G N 200 yds, Midland $\frac{3}{4}$ m.—*Sulphuric, Muriatic, and Nitric Acids, Sulphate of Ammonia*.
- BEALEY, RICHARD, & CO., Radcliffe Alkali Works, Radcliffe, Manchester—*Hydrochloric, Sulphuric, and Muriatic Acids, Chloride of Lime, Bleaching Liquor, Soda Ash, Crystals, and Salt Cake*.
- BEATSON, WILLIAM, Masbro' Chemical Works, Rotherham, Yorkshire, P & G S Masbro', $\frac{1}{4}$ m.—*Sulphuric, Nitric, and Muriatic Acids, Alum, and Sulphate of Soda*.
- BECKER, H., & CO., Slack's Valley Chemical Works, Chadderton, Manchester—*Oil of Vitriol, Spirits Salts, Aquafortis, &c*.
- BENNETT, A., Openshaw, Manchester—*Tar and Turpentine*.
- BETHELL, JOHN, & CO., Clayton Chemical Works, Clayton, Manchester—*Cake Alum, Epsom Salts, Creosote, Naphtha, Anthracene, Carbolic Acid, Sulphuric Acid, Benzole, Benzine, Pitch, &c*.—See Advt.
- BETHELL, JOHN, Lightbody Street, Liverpool—*Creosote*.
- BEVAN, JOHN, Llanelly Chemical Works, Llanelly, Carmarthenshire—*Sulphuric Acid, Naphtha, Acetates of Lead and Lime, Salt Cake*.
- BIBBY, HENRY, Ashton Road, Denton, Manchester.—*Prussian, Chinese, and Aniline Blues*.
- BIBBY, RICHARD EDWIN, Haughton Chemical Works, Denton, Manchester, P S Guide Bridge and Denton, each 1 m., G S Guide Bridge, 1 m.—*Aniline Dyes and Colours, Blood Albumen, Epsom Salts*.
- BIRDSALE, THOMAS, Cliff Cheml. Works, Meanwood Road, Leeds, P & G S Leeds, 2 m.—*Sulphate of Soda, Soda Ash, Copperas, Nitrate of Iron, Tin and Iron Solutions, Dyers' Spirits, Aquafortis, Sulphuric and Muriatic Acids, Ammonia*.

- BIRKBY, JOSEPH**, Hightown, via Normanton, Yorkshire—*Tin Solutions, Muriatic, Sulphuric, and Nitric Acids and Solutions of Iron, Cudbear, Orchil, and Extract of Indigo.*
- BLACKER, DAVID**, Thornhill, Dewsbury, Yorkshire, P & G S Thornhill Lees, 1 $\frac{1}{2}$ m.—*Extract of Indigo, Dyers' Solutions, Mordants, &c.*
- BLACKWELL, JAMES**, Malkin's Bank, Sandbach, Cheshire—*Salt.*
- BLACKWELL, JOHN**, Rode Heath, Congleton, Cheshire—*Salt.*
- BLAIR, H., & Co.**, Kersley Chemical Works, Kersley, Manchester—*Alkali.*
- BLOTT, J. J., & Co.**, Runham, Yarmouth—*Ammonia, Tar and Turpentine.*
- BLYTHE, WILLIAM, & Co.**, Holland Bank Cheml. Works, Church, Accrington, Lancashire, P & G S Church, $\frac{1}{2}$ m.—*Chemical Products for Bleachers, Dyers, and Calico Printers.*
- BOND, F.** (Exors. of the late) Newbridge Hill, Louth, Lincolnshire—*Anthracine, Naphtha, Creosote, Benzole, Sulphate of Ammonia.*
- BOREHAM ALKALI COMPANY**, 60, South Castle Street, Liverpool—*Alkali.*
- BOTTOMLEY, J. C.**, Brookfoot Chemical Works, Brighouse, Yorkshire—*Nitric and Muriatic Acids, Dyers' Solutions, &c.*
- BOUCK & Co. LIMITED** (J. L. VAUGHAN, Secretary), Miles Platting, Manchester, P S Miles Platting, $\frac{1}{2}$ m.; G S Oldham Road, $\frac{1}{2}$ m.—*Caustic Soda, Nitrate of Lead, Anthracine, Sulphate of Copper, Sulphate of Zinc, Tar and Ammoniacal Products, Brimstone Refiners, &c., &c., &c.*
- BOURNE & GREAVES**, Phoenix Works, Droitwich—*Salt.*
- BOWDEN, JOSEPH**, Zara Street, Chemical Works, Manchester—*Nitric Acid, Tin Crystals and Solutions, Dyers' Solutions, Aniline Colours, &c.*
- BOWDLER & BICKERDIKE**, Eagle Chemical Works, Church, Accrington, Lancashire, P & G S Church 1 m.—*Phenol, Carbolic Acid, Picric Acid, Aurine, Aniline Dyes.*
- BOWEN, HENRY**, Union Chemical Works, Morriston, Swansea—*Oil of Vitriol.*
- BOWER, WILLIAM H.**, Brookfield Works, Gorton Lane, West Gorton, Manchester—*Acetic Acid.*
- BOWES, JOSEPH & Co.**, Roper Street, Whitehaven, Cumberland—*Ammonia Sulphate, Carbolic Acid, Tar Distiller.*
- BOWSKILL, THOMAS**, Mansfield, Nottingham—*Ammonia.*
- BRADBURN & Co.**, Wednesfield, Wolverhampton, Staffordshire—*Sulphuric Acid, Sulphate Ammonia, Sulphate Soda, Stick and Block Phosphorus, Precipitate and Sulphate Copper, Copperas, Oxide Iron.*
- BRADBURY, THOMAS, L.**, Winsford, Cheshire—*Bone Manures.*
- BRADLEY, CHARLES HENRY**, New Street, Huddersfield, Yorkshire—*Potash.*
- BRAMWELL, THOMAS & Co.**, Heworth Shore, Gateshead—*Soda Ash, Refined Alkali, and Bleaching Powder.*
- BRIDGEWATER SMELTING COMPANY**, Bridgewater Works, St. Helen's, Lancashire, P & G S St. Helen's, $\frac{1}{2}$ m.—*Salt Cake, Sulphuric and Muriatic Acids, Ash and Caustic Soda, Bleaching Powder.*
- BROOKE, SIMPSON, & SPILLER** (late PERKIN & SONS), Greenford Green, Harrow, Middlesex; London: 9, Fenchurch Street—*Alizarine, Aniline Dyes, &c.*
- BROOKSIDE CHEMICAL COMPANY**, Church, near Accrington, Lancashire, P & G S Church 1 m.—*Indigo Extracts, Tin Crystals, Dyes, &c.*

- BROWN, JOHN (EXORS. of Late), Ford Works, South Hylton, Sunderland, Durham—*Charcoal, Wood Naphtha, Acetate of Lime.*
- BURNARD, LACK, & ALGER, Chemical Works, Plymouth, P S Millbay 1 m.; G S Sutton Road, adjoining Works—*Sulphuric Acid, and Chemical Manures of various kinds.*
- BURNETT, T. & SONS, Bill Quay, Dunstan Alkali Works, Gateshead, Durham; Offices: 2, Lombard Street, Newcastle-on-Tyne; London, 15, Fenchurch Street, E.C.—*Refined Alkali, Soda Ash, and Crystals, Bicarbonate of Soda, Bleaching Powder.*
- BURRELL, R. & W., Bury St. Edmunds, Suffolk, P & G S Bury St. Edmunds, 1 m.—*Sulphuric Acid, Superphosphate, Sulphate of Ammonia, and Chemical Manures.*
- BURRELL, JOHN, 80, Biggmarket, and Tyne Manure Works, St. Lawrence, Newcastle-on-Tyne—*Superphosphate Lime, Dissolved and Ground Bones, Bone Meal, and Chemical Manures.*
- BURT, BOULTON & HAYWOOD, Murston Cheml. Works, Sittingbourne, Kent, P & G S Sittingbourne, 1 m.—*Anthracine, Naphtha, Benzole, Creosote, Carbolic Acid, Subphate of Ammonia.*
- BURY, HENRY & Co., Church Lane Chemical Works, Church, Accrington, Lancashire—*Acetic, Sulphuric, Nitric, and Muriatic Acids, Alum, Nitrate Lead, Soda Ash, and Liquid Caustic Soda, Tin Crystals and Muriate; Dyers', Bleachers', and Printers' Solutions.*
- BUSH & SON, Middlewich, Cheshire—*Salt.*
- BUTLER, WILLIAM, & Co., St. Philip's, Bristol; and Upper Parting, Gloucester, P S Bristol, $\frac{1}{2}$ m., G S Gloucester, 2 m.—*Mineral Naphtha, Creosote, Carbolic Acid, Benzole, Anthracine, Turpentine, Pitch, Lamp and other Blacks, Rosin, Pitch, Tar.*
- CALVERT, F. C., & Co., Tower Cheml. Works, Bradford, near Manchester—*Carbolic Acid, Picric Acid, Aurine, Mordants, Dyers' Solutions, &c.*
- CALVERLEY, JOSEPH, Accrington, Lancashire.
- CAMBRIDGE MANURE COMPANY, LIMITED (CHAS. THURNALL, Manager), Whittlesford, Cambridge—*Superphosphates, Ground Coprolites, and Chemical Manures.*
- CANNAN, WILLIAM, Adolphus Chemical Works, Bradford, Yorkshire—*Sulphate of Soda.*
- CANNOP CHEMICAL COMPANY, Cannop Works, Coleford, Gloucester, P S Speech House Road, S & W R by Works, G S Cannop Siding; London Agents, CHARLES & FOX, 8, Mincing Lane.—*Wood Charcoal, Naphtha, Tar, Lamp Black, Sugar of Lead, Oil of Vitriol, and Salt Cake, &c.*
- CARGREEN MANURE COMPANY, 4, Kirby Place, and Cargreen-on-Tamar (nr. Plymouth); Manager, Mr. W. H. LANGMAN—*Chemical Manures.*
- CARR, JOSIAH, & SON, Highfield Chemical Works, Dewsbury Road, Leeds, —*Cudbear Orchil, Oil of Vitriol, Ammonia, &c.*
- CARR, JAMES, Knostrop, Leeds—*Orchil and Cudbear.*
- CARVILLE, CHEMICAL COMPANY, LIMITED, Mosley Street, and Wallsend, Newcastle-on-Tyne—*Soda Ash and Crystals, Refined Alkali, Bleaching Powder.*

- CASTHELAZ, JOHN, Crumpsall Vale Chemical Works, Blackley, near Manchester—*Aniline Preparations and Dyes, Benzole, Picric Acid.*
- CHANCE BROTHERS & Co., Alkali Works, Oldbury, near Birmingham; London, 104, Finsbury Circus—*Alkali.*
- CHAPMAN, H., & Co., Cornhill, Ipswich; Works, Bramford, near Ipswich, Suffolk, P 8 Bramford, 1 m., G 8, by Works—*Sulphuric Acid, Superphosphate of Lime, Chemical Manures, &c.*
- CHIVERS, CALEB, & Co., Carmarthen Chemical Works, Carmarthen—*Gunpowder and other Charcoals, Acetate of Lime, White and Brown Acetate of Soda, Sugar of Lead, &c.*
- DITTO, Maisycwmmmer Chemical Works, Poutlemfraith, near Newport, Monmouthshire—*Charcoals, Naphthas, Acetate of Lime, &c.*
- CHIVERS, TODD, & CHIVERS, Pontypridd, Glamorganshire, P & G S Taff Vale, 1½ m.—*Acetates of Lead and Lime, Vegetable Naphtha, Charcoal.*
- CLARIDGE, F., & Co., Warwick, P & G S, Warwick—*Pepsine, Annatto.*
- CLARKE, WILLIAM HENRY, Blackstock Street, Liverpool—*Acetic Acid.*
- CLAPHAM, ANTHONY, Newcastle-on-Tyne—*Sulphate of Ammonia.*
- CLAYTON ANILINE COMPANY, LIMITED, 7, Chapel Walks, Manchester, and Clayton, near Manchester, CHARLES DREYFUS, Managing Director—*Aniline.*
- CLEVELAND CHEMICAL MANURE COMPANY, Stokesley, near Northallerton—*Chemical Manures.*
- COLLIER, WILLIAM, & Co., Hereford St., Sheffield, Yorkshire—*Fluoric and Nitric Acids, Aquafortis, Cyanide Potassium, Ammonia Liquor, &c.*
- COOK BROTHERS, Office, 44, Dean Street, Newcastle-on-Tyne; and Union Chemical Works, Bill Quay, near Gateshead, Durham—*Soda Ash and Crystals, Alkali, and Bleaching Powder.*
- COOK, JOHN, Office, 44, Dean Street; and St. Anthony's Chemical Works, Newcastle-on-Tyne, Northumberland, P & G S Newcastle—*Soda Ash and Crystals, Alkali, and Bleaching Powder, Sulphuric Acid.*
- COOKSON & Co., Hewdon Smelting Works, Newcastle-on-Tyne—*Antimony.*
- COLEMAN, W. J., & Co., Bury St. Edmunds—*Bisulphite of Lime.*
- COLCHESTER, WILLIAM, St. Clements, Ipswich—*Chemical Manures.*
- COLLETT, J. M., & Co., Regent Street, Gloucester—*Bisulphite of Lime and Soda, Sulphurous Acid, &c.*
- CORBETT & Co., Plaskynaston Chemical Works, near Ruabon, N. Wales. P & G S Acrefair, G W R, ¼ m.—*Carbolic Acid of all qualities, Picric Acid, and Paste Aurine, &c.*—See Advertisement.
- CORBETT, JOHN, M.P., Stoke Prior Salt Works, Bromsgrove, Worcester; P & G S Mid R at the Works; London, 115, Lower Thames Street, E.C.—*Salt.*
- CORNWALL ARSENIC COMPANY, Marazion, Cornwall—*Lump and Ground Arsenic.*
- COTTON, THOMAS, & SON, Folly Hall, Deadwater, Huddersfield, Yorkshire—*Liquid and Sulphate of Ammonia, Benzole, Naphtha, Creosote.*
- CROFT, THOMAS, & Co., Albion Chemical Works, Seacombe, Cheshire—*Precipitated Phosphate of Lime.*

- COWBURN & CROWTHER, Drub Lane Chemical Works, Gomersal, near Leeds, Yorkshire—*Dyers' Spirits, Tin Solutions, &c.*
- COUPE, E. & M., St. Helen's Chemical Works, Brindle, Chorley, Lancashire—*Mordants, Naphtha, Acetic Acid, Wood Charcoal.*
- CRABB, Wm., Border Counties Works, Silloth, Cumberland, P & G S Silloth, 200 yards—*Sulphuric Acid, Bone Manures, and Superphosphates.*
- CROMPTON, GEORGE, 12, Bury Street, Salford, Manchester—*Acetic Acid, Naphtha, &c.*
- CROMPTON & POTTER, Hall Chemical Works, Little Lever, near Bolton, Lancashire—*Oil of Vitriol.*
- CROSFIELD BROTHERS & Co., St. Helen's, Lancashire—*Soda Ash, Caustic Soda, and Bleaching Powder.*
- CROSFIELD, JOSEPH, & SONS, Bank Quay Soap Works, Warrington, Lancashire—*Silicate of Soda and Soaps.*
- CROSSLEY, F. B., & Co., Stafford Chemical Works, Alverthorpe Road, Wakefield.
- CROWTHER, GEORGE J., & Co., Woodhouse Chemical Works, Leeds, P & G Leeds, 2 m.—*Sulphuric, Muriatic, and Nitric Acids, Copperas, Tin and Iron Solutions, Ammonia, &c.*
- CROWTHER, HORATIO, & Co. (RICHARD BAILES), Woodhouse Carr, Leeds, P Ss Cleckheaton & Birstall, each $1\frac{1}{2}$ m.—*Sulphate Soda, Soda Ash, Copperas, Tin Solutions, Dyers' Spirits, Aquafortis, Sulphuric and Muriatic Acids.*
- CROWTHER, WILLIAM & SONS, Gomersal Chemical Works, near Leeds, G S Liversedge, $1\frac{1}{2}$ m.—*Sulphuric, Nitric, and Muriatic Acids, Tin and Iron Solutions.*
- CULPAN, JOHN, & SONS, White Lee, Heckmondwike, Yorkshire, P & G S Birstall, $\frac{1}{2}$ m., Heckmondwike, 1 m.—*Naphtha, Benzole, Carbolic Acid, Anthracine, Creosote, Pitch, Liquid Ammonia.*
- DANTEC, W., Mersey Works, Statham, Warrington—*Chemical Manure.*
- DAVIS, S. T., Wilmington, Hull—*Chemical Manure.*
- DEMUTH, LEWIS, & Co., Springfield Chemical Works, Oldbury, Worcestershire, P S Oldbury, $\frac{1}{2}$ m., G S Spon Lane, $\frac{1}{2}$ m.—*Benzole, Toluol, Carbolic Acid, Naphthas, Creosote, Pitch, Anthracine, and Coal Tar Products.*
- DENTITH, THOMAS, Hargreaves Street, Manchester—*Chemical Products for Cotton, Worsted, Silk Dyers, and Calico Printers.*
- DERBYSHIRE, J. C., Bank Chemical Works, Church, Accrington, Lancashire.
- DAY, GEORGE KNOX, Thwaite Gate Chemical Works, Hunslet, Leeds—*Ammonia, Sulphate and Liquid, Nitric and Muriatic Acids, Glauber Salts, Nitrate of Iron, Muriate of Tin, and Dyers' Spirits.*
- DIXON & CARDUS, Redbridge, near Southampton—*Superphosphates.*
- DOBB, JOSEPH TINKER, Oxide Works, Sheffield, Yorks, P & G S Sheffield, Midland, M S & L—*Cyanide of Potassium, Nitrous, Nitric, and Fluoric Acids, Oxide Manganese.*
- DOBSON, THOMAS, & Co., Manayunk Chemical Works, Church, near Accrington, Lancashire, P & G S Church—*Salts of Ammonia, Soda Crystals, Naphtha, &c.*

- DRAKE, Z., & SONS**, Belle Works, Huddersfield—*Dyers' Solutions, Soda, &c.*
DROITWICH SALT COMPANY, LIMITED (J. H. BRADLEY, Manager), Droitwich, Worcestershire; London, BUMSTEAD & Co., Lower Thames Street, E.C.—*Salt.*
DROITWICH SALT COMPANY (GOPSILL, BROWN, & Co.), Docks, Gloucester.—*Salt.*
EARP & CHESTER, Runcorn, Cheshire—*Pure Sulphuric, Nitric, and Hyanchloric Acids, Liquor Ammonia.*
EDEN, JONES, & Co., Temple Back, Bristol—*Oil of Vitriol.*
ELLIS, JOHN, Wortley Lane, Leeds—*Ammonia and Aquafortis.*
ELLIS, JOSEPH, & SONS, Sparkenhoe Works, Leicester, P S Desford, $\frac{1}{2}$ m. G Rail into Works—*Superphosphate and Chemical Manures.*
ELSWORTH, JOHN, & SONS, Church Street, Sculcoates, Hull—*Creosote, Naphtha, Benzole, Benzine, Anthracine, Pitch.*
EMMETT, JAMES, Thomas Yard, Cankerwell Lane, Leeds—*Indigo Extract.*
ENGLISH ARSENIC COMPANY, Grottyhan, Cornwall—*Arsenic, Various.*
FARMER, JAMES, Gorton Brook Chemical Works, West Gorton, near Manchester, P S Ashbury, by Works, G S Longsight, L & N W, $\frac{1}{2}$ m.—*Sulphuric, Nitric, Muriatic, Tartaric, and Oxalic Acids, Caustic Soda, Copperas, and Solutions for Calico Printers and Dyers.*
FARMERS' MANURE COMPANY LIMITED, Royston, Cambridgeshire, P & G S Royston—*Chemical Manure.*
FARRIMOND, WILLIAM & SON, Chemical Works, Latham, near Ormskirk, Lancashire—*Wood Naphtha, Iron and Red Liquor, Mordants, and Wood Charcoal.*
FARROW, JOSEPH, Bungay, Suffolk—*Tar and Turpentine.*
FIELDING & HIGGINBOTTOM, Victoria Cheml. Works, New Mills, near Stockport, Derbyshire, P & G S, L & N W and Midland, 1 m.—*Dyers' and Printers' Solutions, Acetic Acid, Aquafortis, &c.*
FIELDS MERCANTILE COMPANY, LIMITED, Castle Foregate, Shrewsbury—*Acetic Acid and Alum.*
FISHER, JESSE, & SON, Phoenix Cheml. Wks., Madeley Hill, Ironbridge, Salop—*Tetrachloride and Bisulphide of Carbon, Chloride of Sulphur, Sulphuric, Nitric, and Muriatic Acids, Coal and Wood Naphtha and Oils, Carbolic Acid, Chemical Manures.*
FISON, JAMES, & SONS, Chemical Works, Thetford, Norfolk—*Oil of Vitriol, Sulphate of Ammonia, Coprolites, Superphosphate of Lime, Chemical Manures.*
FISON, JOSEPH & Co., Eastern Union Cheml. Works, Ipswich, Suffolk, P S Bramford, G S G E to Works—*Sulphuric Acid and Chemical Manures.*
FLETCHER, ROBERT, & SON, Farnworth Chemical Works, Worsley Road, near Bolton, Lancashire—*Sulphuric Acid.*
FLETCHER, JOHN & Co., Broadfield Chemical Works, Heywood, Manchester, P S Broadfield, $\frac{1}{2}$ m., G S Heywood, 1 m.—*Soda Crystals, Sulphate of Soda, Oils, Grease, and Phosphate of Lime.*
FLETCHER, THOMAS, Dearnley Oil Mills, Littleborough, Manchester, P & G S Smithy Bridge, $\frac{1}{2}$ m.—*Soaps, Stearins, Manures, &c.*

- FORRESTER, THOMAS, & Co., Crosse Hall Mills, Chorley, Lancashire, P S Chorley, $\frac{1}{2}$ m., G Leeds and Liv. Canal at Works—*Tin Crystals, Tin, Copper, and Iron Solutions, Aquafortis, Dyes.*—See Advertisement.
- FRAZER, ROBERT, & SONS, High Jarrow Chemical Works, Newcastle-on-Tyne—*Soda Ash, Bleaching Powder.*
- GALEN CHEMICAL COMPANY, Ettingshall, near Wolverhampton, Staffordshire—*Ammonia Liquor and Salts, and Sulphuric Acid.*
- GAMBLE, JOS. C., & SON, Gerard's Bridge Chemical Works, St. Helen's, Lancashire—*Bleaching Powder, Chlorate of Potash, Epsom Salts, Soda Ash, Crystals, and Caustic Soda, Chloride Calcium.*
- GARDINER, ANDREW, Seaham Street, Newcastle-on-Tyne—*Liquid Ammonia.*
- GASKELL, DEACON, & Co., Widnes, Lancashire, P S Widnes, G Own Siding—*Refined Alkali, Soda Ash, Caustic Soda Cream and White, Soda, Crystals, and Bicarbonate, Bleaching Powder, Chloride of Calcium.*—See Advertisement.
- GIBBS, JAMES, Cattedown, Plymouth, P S Plymouth and North Road, 2 m., G S Sutton Harbour, $\frac{1}{2}$ m.—*Sulphuric, Hydrochloric, Nitric, and Nitrous Acids, Sulphate of Soda, &c.*
- GIBBS, J., Avon Street, Bristol—*Oil of Vitriol.*
- GIBBS, JAMES, Cwmbraw Chemical Works, Cwmbraw, near Pontypool, South Wales—*Oil of Vitriol.*
- GOADSBY & Co., Newton Heath, Manchester; London, 2, Swan Yard, Bishopsgate Street—*Chromes, Pulp Blues.*
- GOLDING, DAVIS, & Co., LIMITED, Marsh Alkali Works, Widnes, Lancashire—*Salt Cake, Caustic Soda, Bleaching Powder.*
- GOOLE ALUM AND SMELTING COMPANY, LIMITED, Goole, Yorkshire—*Alum.*
- GOOLE, MARSHLAND & HOWDENSHERE PURE TILLAGE COMPANY, LIMITED, Goole, Yorkshire, EWD. HUNTER, Sec. and Genl. Manager. P & G S N E & L & Y, each $\frac{1}{2}$ m.—*Sulphuric Acid, Sulphate of Ammonia, Superphosphate, and Chemical Manures.*
- GOSSAGE, WILLIAM, & SONS, Widnes, Lancashire; London Agents, CLARKE & COSTE, 20, Water Lane, E.C—*Soaps, Silicates of Soda, and Potash.*
- GRAHAM, WILLIAM, Farnworth, Bolton—*Oil of Vitriol.*
- GREEN, GEORGE A., & Co, Herbert Street, Portsmouth—*Creosote and Tar Products, Wood, and Mineral.*
- GREENBANK ALKALI COMPANY, LIMITED, Greenbank Works, St. Helen's, Lancashire, P S St. Helens, $\frac{1}{2}$ m. G Own Siding—*Caustic Soda and Soda Ash, Pure Chlorate of Potash, Caustic Potash, Chloride of Calcium, Muriate of Lime, &c.*
- GREENWOOD, S., Attercliffe Bridge Works, Sheffield—*Naphtha.*
- GREGSON, ROBERT, Aspull Works, near Wigan, Lancashire—*Copperas and Caustic Soda.*
- GRIFFIN, MORRIS & GRIFFIN, Ceres Chemical Works, Wolverhampton—*Chemical Manures.*
- GRIFFITHS & COOK, Farm Street, Birmingham—*Aquafortis.*

GUNTON, SAMUEL, 6, Regent Road, Great Yarmouth, P & G Yarmouth G E
—*Sulphate of Ammonia, Naphtha, Creosote, Anthracine, and Pitch.*

HAAS, JULIUS ROBERT, & Co., Neville Street, Leeds—*Refined Indigo, Extract and Soluble Indigo.*

HADFIELD, GEORGE, & Co., Lightbody Street, Liverpool—*Chemical Manures, Oil of Vitriol, &c.*

HADFIELD, THOMAS, Pumpfields, Vauxhall Road, Liverpool—*Acetic Acids, Bone and Wood Charcoals, Acetate Lime, Naphtha, Sulphate Ammonia, Bone Manures, &c.*

HADLAND & Co., Dan Y Graig Works, Swansea—*Arsenic.*

HALL BROTHERS & SHAW, West Bank Chemical Work, Widnes, Lancashire, P & G S Widnes, $\frac{1}{2}$ m.—*Salt Cake and Bleaching Powder.*

HALL, A. W., & Co., 17 Above Bar and Chemical Works, Redbridge, near Southampton, Hants, P & G S Redbridge, 100 yards—*Aluminous Cake, Sulphate of Alumina, Sulphate of Ammonia, Sulphuric Acid, and Chemical Manures.*

HARDSHAW BROOK CHEMICAL COMPANY, St. Helen's, Lancashire—*Alkali, Salt Cake, and Chlorate of Potash.*

HARRIS, PHILIP, & Co., Bull Ring, Birmingham.—*Pure Muriatic, Nitric and Sulphuric Acids, Hydrocyanic and Fluoric Acids, Photographic Chemicals.*

HARTLEY, ISAAC, Wood Mill, Eastwood, Todmorden, Yorkshire.

HARTLEY, JOSEPH, West Gorton, near Manchester—*Bisulphide of Carbon.*

HARVEY, WILLIAM, Cattedown, near Plymouth, G S Sutton Harbour G W
—*Tar Distiller. Benzole, Carbolic Acid, Creosote, Anthracine, Pitch, Ammonia Sulphate and Liquor.*

HASLEM, WILLIAM, Burnden Chemical Works, Bolton, Lancashire—*Soda Ash, Sulphuric and Muriatic Acids, Sulphate of Copper, Bleaching Liquor &c.*

HAWORTH & NUTHALL, Oswaldtwistle, Accrington, Lancashire—*Acetic Acid.*

HAY-GORDON & Co., Widnes, Lancashire—*Salt Cake and Bleaching Powder.*

HAZLEHURST & SON, Camden Chemical Works, Runcorn—*Alkali.*

HEMINGWAY, S., & Co., Bradford, Yorkshire—*Bleaching Powder.*

HENRY, THOS. & WM., East Street Manchester—*Sulphate of Potash.*

HEWORTH ALKALI COMPANY, 18, Mosley Street, Newcastle; Works at Heworth, Durham, P S Felling, 2 m, G S Hillgate Ry. Whf. 3 m.
—*Soda Ash and Crystals, and Refined Alkalies.*

HICKLING & Co., Banbury Street, Birmingham—*Glassmakers' Refined Ashes, Salts of Tartar, Lac and Pure Sulphur, &c.*

HIGGIN, JAMES, & Co., 22, Little Peter Street, Manchester—*Dyers' and Calico Printers' Preparations.*

HILL, WILLIAM, & SONS, Vauxhall Chemical Works, Liverpool, P S Exchange, L & Y, $\frac{1}{2}$ m.; G S Waterloo, L & N W, $\frac{1}{2}$ m.—*Nitrous, Nitric, and Muriatic Acids, Sulphate of Soda, Sulphuric Acid, Brown and White.*

- HILLS BROS. & Co., Bordesley Cheml. Works, Milk Street, Birmingham, P S New Street, $\frac{1}{4}$ m.; G S Lawley Street, $\frac{1}{4}$ m.—*Nitric, Nitrous, Sulphuric, and Muriatic Acids, &c.*
- HILLS, EDWIN, Titchfield, Hants—*Chemical Manures.*
- HIRST, BROOKE, & HIRST, Airedale Chemical Works, Bishopsgate Street, Leeds—*Wood Naphtha, Acetic Acid, Charcoal, Pyroligneate of Iron, Orchil.*
- HODGES, JAMES, Windmill Street, Manchester—*Indigo Extracts.*
- HODGSON BROTHERS & HODGSON, North of England Chemical Works; Office, Clothmarket, Newcastle-on-Tyne—*Superphosphate and Chemical Manures.*
- HOLBROOK, REUBEN, Newport, Isle of Wight—*Salt.*
- HOLLIDAY, READ & SONS, Turnbridge Chemical Works, Huddersfield, Yorkshire, P & G S Huddersfield, $\frac{1}{4}$ m.; Lon. Agts., WOODROFF BROS., 54, Crutched Friars—*Aniline Dyes & Colours, Naphtha, Alizarine, Benzole and Coal Tar Products, Indigo.*
- HOLLIDAY, READ & SONS, Calder Vale Chemical Works, Wakefield, Yorkshire, P & G S Wakefield, $\frac{1}{4}$ m.—*Arsenic and Carbolic Acids.*
- HOLLOWAY, H. R., Belle Vue Chemical Works, Park Road, Southampton—*Refined, Prepared, Precipitated, and Camphorated Chalks.*
- HORNBY & Co., Don Vitriol Works, Attercliffe, Sheffield—*Sulphuric, Nitric, Fluoric, and Muriatic Acids; Ammonia, Dyers' Spirits, &c.*
- HORROCKS, JAMES, Daubhill Chemical Works, Bolton, Lancashire—*Tar Products.*
- HOWARTH, WILLIAM, & SONS, Miles Platting, Manchester, P S Miles Platting N & Y, $\frac{1}{4}$ m.; G S Oldham Road, $\frac{1}{4}$ m.—*Alkali, Sulphuric and Muriatic Acids, Salt Cake, &c.*
- HOWARTH, J., Brookside Mill, Church, Accrington, Lancashire—*Indigo Extracts, &c.*
- HOYLE, ROBSON, & Co., Close, Newcastle—*Tar and Turpentine.*
- HOYLE, RICHARD, 11, Queen Street, Newcastle-on-Tyne—*Turpentine and Coal Tar Products, Lamp Black, &c.*
- HUGGON & COMPANY, Cheml. Wks., Leeds—*Dyers' Solutions, Collodion, &c.*
- HUNT & SONS, Lea Brook Chemical Works, Wednesbury—*Soda, Caustic and Bicarbonate Soda, Chlorate Potash, Phosphorus.*
- HUNT BROS. & Co., Aire and Calder Chemical Works, Castleford, Normanton, Yorkshire, P & G S Castleford $\frac{1}{4}$ m.—*Soda Ash and Crystals, Sulphate of Soda, Sulphuric & Muriatic Acid, Chloride of Lime.*
- HUNT & JENNINGS, Spalding, Lincolnshire—*Chemical Manures.*
- HUNTER & Co., Newcastle-on-Tyne—*Green Copperas.*
- HUTCHINSON, JOHN, & Co., Alkali Works, Widnes, Lancashire, P & G S Widnes. Office, Liverpool, 50, Lord Street—*Salt Cake, Soda Ash, Refined Ash, Soda Crystals, Bicarbonate of Soda, Caustic Soda, Bleaching Powder, and Recovered Sulphur.*
- HYDE CHEMICAL COMPANY, Hyde, near Manchester—*Tar Distillers.*
- ILLINGWORTH & Co., Frizenhall, Leeds—*Ammonia.*

- IMEARY, R., Heworth Works, Lower Heworth, Gateshead—*Alkali, Soda Ash, Crystals, and Bleaching Powder.*
- ISHERWOOD, J. & E., Stoneclough, Kearsley, Manchester—*Tar & Turpentine.*
- JACKSON, JAS. & THOS., Waterside, Halifax, *Nitric, Hydrochloric, and Sulphuric Acids, Ammonia, Soda Crystals, &c.*
- JACKSON, THOS., Clayton, near Manchester, P S Manchester, G S Beswick, L & Y R, $\frac{1}{2}$ m.—*Sulphuric, Nitric, and Muriatic Acids, Dyers' and Printers' Solutions, Liquid Caustic Soda.*
- JACKSON, THOMAS HARDY, Springfield Chemical Works, Hightown, *via* Normanton, Yorkshire—*Dyers' Spirits, Tin Solutions, Ammonia, Soda Ash, Crystals, &c.*
- JARROW CHEMICAL COMPANY, Jarrow Chemical Works, South Shields; and Friars Gorse Works, Gateshead; London Agency, C. TENNANT, SONS, & Co., 9, Mincing Lane, E.C.—*Refined Alkali, Caustic Soda, Soda Ash, Crystals, and Bicarbonate Glauber Salts, Oil of Vitriol, Bleaching Powder.*
- JARROW HILL CHEMICAL COMPANY, Jarrow, Gateshead—*Soda Ash and Crystals, Bleaching Powder.*
- JENNINGS, C. D. & Co., Bone Mill, Spalding, Lincolnshire, P & G S Spalding, $1\frac{1}{2}$ m.—*Superphosphate of Lime and other Manures.*
- JOHNSON & DARLING, Rivermouth Cheml. Works, Berwick on Tweed—*Aluminous Cake and Sulphate of Alumina.*
- JOHNSON, THOS., Blackshaw Beck Chemical Works, Shelf, Halifax—*Nitric, Sulphuric, and Muriatic Acids, Ammonia, Soda, Soda Ash, Dyers' Solutions, Coal Tar Products, &c.*
- JONES, JOHN & Co., Mayhill, Usk, Monmouthshire—*White, Grey, and Brown Sugar of Lead, Acetates of Soda and Lime, Solvent and Miscible Naphtha.*
- JONES, WILLIAM & Co., Middlesborough, Yorkshire, P S Middlesborough, G S Siding to Works. Lond. Agt., H. J GIBSON, 9, Mincing Lane—*Carbonate Potash, Epsom Salts, Oxalic Acid, Sulphuric and Muriatic Acids, Sulphate Potash, Sulphate of Soda.*
- JORDAN, GEORGE, Great Howard Street, Liverpool—*Chemical Manures.*
- JOULE, JAMES, Middlewich, Cheshire—*Salt.*
- JUDSON & SONS, Liverpool Street, Birmingham—*Oil Vitriol.*
- KAYE, ANTHONY KNOWLES, Moldgreen Cheml. Works, Huddersfield, P & G S Huddersfield, 1 m.—*Nitric and Muriatic Acids, Extracts of Indigo, Dyers' Spirits, Ammonia, &c.*
- KELEY, R. R., & Co., Chemical Works, Rye; London, Market Buildings, Mincing Lane, E.C.—*Sulphuric Acid, Sulphate Ammonia, Tar Distillers, Pitch, Naphtha, Benzole, Creosote, Carbolic Acid, Anthracine.*
- KEMPSON & HOWELL, Pye Bridge, near Alfreton, Derbyshire, P & G S S. Pye Bridge R, Pye Hill, G N, each $\frac{1}{2}$ m.—*Sulphate of Ammonia, Naphtha, Anthracine, Pitch, Carbolic Acid, &c.*
- KENDALL, FREDERICK, Chemical Works, Stratford-on-Avon, Warwickshire—*Bisulphite of Lime.*
- KENYON, THOMAS, Jun., Albion Works, Miles Platting, Manchester—*Acetic Acid.*

- KERSHAW, JOHN, 123, Athol Street, Liverpool—*Alkali*.
- KILNER, THOS., & Co., Totley, Derbyshire (near Sheffield)—*Acetate of Lime, Grey and White; Iron Liquor, Charcoals, Naphtha, &c.*
- KING, E., & Co., Redbank, Manchester—*Acetic Acid*.
- KING, WILLIAM HENRY, 78, St. Andrew Street, Liverpool—*Albumen and Blood Manures*.
- KNIGHT, JOHN, & Co., LANCASHIRE MANURE COMPANY, Farnworth, near Widnes, Warrington—*Bone Manures, Animal Charcoal, &c.*
- KURTZ, ANDREW GEORGE, Sutton Alkali Works, St. Helen's, Lancashire—*Soda Ash, Caustic, Crystals, and Bicarbonate, and Chlorate of Potash*.
- KURTZ, CHARLES, & SONS, 38, Carruthers Street, Vauxhall Road, Liverpool—*Salts of Ammonia and Coal Tar Products*.
- LANGDALE'S CHEMICAL MANURE COMPANY, LIMITED; Hebburn-on-Tyne, Bridlington, and Peterhead; Branch Manufactories, Bank Chambers, and Tyne Chemical Works, Newcastle-on-Tyne—*Sulphuric Acid, Sulphate of Ammonia, and Chemical Manures*.
- LAWRIE, WILLIAM, & Co., Caister Road, Yarmouth—*Naphtha, Tar, and Turpentine*.
- LAWSON, J. C., 88, Quay Side, Newcastle-on-Tyne—*Copperas*.
- LEATHER, GEORGE HENRY, Bradford, Yorkshire—*Oil Vitriol*.
- LEES & BROOKSBANK, South Crosland, Huddersfield.
- LEVINSTEIN, L. I., & SONS, 21, Minshull Street, Manchester; Blackley Chemical Works, Middleton, Manchester; London, 17, Railway Approach, London Bridge—*Tar and Turpentine, Aniline Dyes*.
- LEWIS, JAMES, & Co., Eccleston Works, St. Helen's, Lancashire—*Alkali*.
- LEWIS, G. LEWIS, Pontardawe Chemical Works, Swansea Vale, Glamorganshire—*Sulphuric and Acetic Acids, Acetates of Soda and Lime, Naphtha, Charcoal, &c.*
- DITTO, Brechfa Cheml. Works, Carmarthen, P & G S Nantgaredig—*Charcoal, Brown Acetate of Lime, Miscible and Solvent Naphthas*.
- LIVERPOOL ALKALI WORKS COMPANY, LIMITED, Lightbody Street, Liverpool—*Alkalies*.
- LIVERPOOL PATENT MANURE COMPANY; Managing Director, ORLANDO REEVES; Litherland Mills, Seaforth, Liverpool—*Chemical Manures, Phosphate Lime, Sulphate Ammonia, Nitrate Soda, &c.*
- LOCKWOOD, H., Bradford, Manchester—*Creosote*.
- LOCKWOOD AND LEITH, Boundary Road Chemical Works, St. Helen's, Lancashire, P S St. Helen's, 1 m.; G own Siding.—*Caustic Soda, Soda Ash*.
- LOCKYER, GEORGE, & SONS, Temple Back and Marsh, St. Philip's, Bristol; London, 21, Mincing Lane—*Animal Charcoal, Ivory Black, Sulphate Ammonia, Chemical Manures*.
- LONGSHAW, WM. & SONS, Sankey Bridge Chemical Works, Warrington, P S Sankey Bridge, $\frac{1}{4}$ m.; G S, L & N W, 1 m.—*Carbolic Acids, Aurine, Picric Acid, Aniline Dyes*.
- LOWE, CHARLES, & Co., Reddish Chemical Works, near Stockport, P & G S Reddish, L & N W, $\frac{1}{4}$ m., and Bradford, near Manchester—*Carbolic Acid and Disinfectants, Benzole, Picric Acid, Aurine, Anthracine, and Coal Tar Products*.—See Advertisement.

- LYCELT, WILLIAM, Wheelock Old Works, Sandbach, Cheshire—*Salt*.
- LYON & SONS, Old Quay Alkali Works, Runcorn, Cheshire, P & G S Runcorn, 1 m.—*White Caustic Soda*, 60 and 70 per cent., *Cream Caustic Soda*, 60 per cent., *Soda Ash*, *Caustic*, and *Carbonated*, 48 to 55 per cent.
- MAGUIRE, THOMAS, East Philip Street, Salford—*Tar and Turpentine*.
- MAJOR, JOHN CLARKSON, Monmore Green, Wolverhampton, P S Monmore Green, L & N W R; G Wolverhampton, 1½ m.—*Coal Tar Products*.—See Advertisement.
- MANSERGH, THOMAS, Wheathill Street, Manchester—*Acetic Acid*.
- MARRIOTT, WILLIAM, Leeds Road Chemical Works, Huddersfield, Yorkshire, P & G S, 1 m.—*Bisulphite of Lime*, *Bisulphite of Soda*, *Hydrated Oxide of Iron*, *Sulphate of Ammonia*, and *Manures*.
- MARSH, JOHN, & Co., Part Works, St. Helen's, Lancashire, P S Sutton Oak, ½ m.; G Siding to Works—*Soda Ash*, *Caustic Soda*, *Bicarbonate of Soda*, *Muriatic Acid*, *Bleaching Powder*.
- MARSHALL, JOHN, SON & Co., Hunslet Road, Leeds—*Indigo Extracts*.
- MATHEW, J., & Co., Clayton Chemical Works, near Manchester—*Naphtha*, *Creosote*, *Ammonia*.
- MATHEWS, AUGUSTUS, Standish, Gloucestershire—*Chemical Manures*.
- MATHEWS, PETER, & SON, Pitchcomb Mills, Stroud—*Bone Manure*.
- MATHIESON, N., & Co., Widnes, Lancashire, P S Widnes, ½ m.; G Siding to Works—*Sulphuric and Muriatic Acids*, *Sulphate Soda*, and *Bleaching Powder*.
- McBRYDE, JAMES, & Co., LIMITED, Union Chemical Works, St. Helen's, Lancashire—*Caustic Soda and Bleaching Powder*.
- McCLELLAN, JOHN, Widnes, Warrington, P S Widnes, L & N W; G S Farnworth—*Borax*, *Alkali*, *Soda Ash*, *Salt Cake*, and *Bleaching*.
- McDOUGALL BROTHERS, 68, Port Street, Manchester. [Powder.]
- McKINNON, JOHN, & SON, Bradford Cheml. Wks., near Manchester, P S London Road; G S Beswick, L & Y R, ¼ m.—*Prussiate of Potash*, *Red and Yellow*.
- MEADOWS & SON, Rainhall, Prescott, Lancashire—*Ammonia*.
- MEASE, SOLOMON & Co., Lake Chemical Works, South Shields, Durham—*Soda Crystals*, *Ash*, and *Bleaching Powder*.
- MEGGIT, SAMUEL, & SON, Sheffield Mills, Effingham Road, Sheffield—*Chemical Manures*.
- MELINCORYTHAN COMPANY, Melincrythan Cheml. Works, Neath, Glamorganshire, P & G S Neath, ¼ m.—*Sugar of Lead*, *Acetate of Lime*, *Acetic Acid*, *Naphtha*, *Charcoal*, *Oil of Vitriol*, and *Pure Methyl*.
- MERSEY CHEMICAL COMPANY, Widnes, Warrington.
- METCALF, THOMAS & Co., Miles Platting Chemical Works, Manchester—*Anthracine*, *Benzole*, *Naphtha*, *Carbolic Acid*, *Creosote*, *Sulphuric and Nitric Acids*, *Sulphate and Liquor of Ammonia*, *Annatto*, *Dyers' and Printers' Solutions*.
- METCALF, WILLIAM, Church, Accrington, Lancashire, and Attercliffe, Sheffield—*Ammonia*, *Benzole*, *Naphtha*, *Carbolic Acid*, &c.
- MILNES, EDMUND DIXON, & BROS., Lunn Mill, Bury, Lancashire, P & G Bury—*Garancine*, *Madders*, *Dyes*, &c.

- MORGANS & COMPANY, Whitecroft Chemical Works, Lydney, Gloucestershire—*Distillations of Wood Charcoal, Miscible Naphtha, Tar, Pitch, Acetate of Lime, and Soda.*
- MORRIS BROTHERS, Stockwith Chemical Works, near Doncaster, Yorkshire—*Sulphuric Acid, Sulphate of Ammonia, and Manures.*
- MORRIS, DAVID, Risca Chemical Works, Newport, Monmouth—*White, Grey, and Brown Sugar of Lead, Acetates of Soda and Lime, Solvent and Miscible Naphtha, Oil of Vitriol, &c.*
- MORRIS, WILLIAM & SON, Pontamman Chemical Works, near Llanelly, Carmarthenshire, P & G S Cross Inn, 1 m. Lon. Agts., LISTER & BIGGS, 8, Lawrence Pountney Hill, E.C.—*Charcoals, Solvent and Miscible Naphtha, Pitch, Tar, Acetate of Soda and Lime, White and Grey Sugar of Lead, Crude Acetic Acid, Sulphuric Acid.*
- MORRIS, WILLIAM, & SON, Pontardulais, Glamorganshire—*Charcoal, Acetate of Lime, and Naphtha.*
- MORRIS & GRIFFIN, Ceres Chemical Works, Wolverhampton, P S Wolverhampton, $\frac{1}{2}$ m.; G Siding to Works—*Sulphuric Acid, Patent Ammonia, Superphosphates, and Manures.*
- MORRISON, WALTER, & Co., Forth Bank, Newcastle-on-Tyne, P S Central Stn., $\frac{1}{2}$ m.; G Forth Bank, $\frac{1}{2}$ m.—*Chemical Manures.*
- MORROW, TIMOTHY, Lark Hill Chemical Works, Kersley, near Bolton, Lancashire—*Caustic Soda, Liquid and Dry Glauber Salts, &c.*
- MORT & CROSS, Viaduct Alkali Works, Widnes, Lancashire, P S Widnes, $\frac{1}{2}$ m.; G Own Siding—*Caustic and Carbonated Soda, Soda Ash, Cream and White Caustic Soda.*
- MURPHY, J., Freemason Row, Liverpool—*Oil of Vitriol.*
- MURRAY, A. B., & Co., Tees Mill, Stockton—*Chemical Manures.*
- MURRAY, BROTHERS, Swallowwell, Gateshead, Durham—*Naphtha.*
- MURRELL, WILLIAM, & SON, East Dereham, Norfolk—*Chemical Manures.*
- MUCKLOW, EDWARD, Elton Fold Chemical Works, Bury, Lancashire—*Dyers' Solutions.*
- MUSPRATT BROTHERS & HUNTLEY, Office, 8, Hargreaves Buildings, Chapel St., Liverpool; Works, Flint, North Wales, P & G S Flint, $\frac{1}{2}$ m.—*Soda Ash, Crystals, Caustic Soda, Bicarbonate Soda, and Bleaching Powder.*
- MUSPRATT, JAMES & SONS, Office, 8, Hargreaves Buildings, Chapel Street, Liverpool; Woodend Cheml. Works, Widnes, near Warrington, Lancashire, P & G S Widnes, $\frac{1}{2}$ m.; Vauxhall Road Cheml. Works, Liverpool, P & G S Lime Street, 1 m.—*Soda Ash, Caustic Soda, and Sulphate, Bleaching Powder, Chlorate Potash, Muriatic Acid, Sulphuric Acid Brown and White; Brimstone.*
- NAYLOR, THOMAS, Accommodation Road, Hunslet, Leeds—*Ammonia.*
- NETHAM CHEMICAL COMPANY, LIMITED, Bristol, P & G S Bristol, 1 m.; Lon. Agts., C. TENNANT, SONS, & Co., 9, Mincing Lane—*Sulphuric and Muriatic Acids, Spirits of Salts, Alkali, Soda, Sulphate, Ash, Crystals and Muriate of Ammonia, Caustic Soda; Sal Ammoniac, Chloride of Calcium, Bleaching Powder, Sulphur, &c.*
- NEWCASTLE CHEMICAL MANURE COMPANY, LIMITED, 56, Dean Street, Newcastle-on-Tyne—*Chemical Manures.*

- NEWCASTLE CHEMICAL WORKS COMPANY, LIMITED, 4, Quayside, Newcastle-on-Tyne, and Tyne Chemical Works, Gateshead, P S Newcastle, 2 m.; G Siding to Works—*Soda Crystals, Ash, Caustic and Bicarbonate; Refined Alkali, and Bleaching Powder.*
- NICHOLLS, J., St. Austell, Cornwall—*Naphtha, Acetate of Lime, Charcoal,*
- NICHOLSON, JOHN, & SON, Church Street Chemical Works, Hunslet, near Leeds — *Ammonia Liquid and Sulphate, Aquafortis, Dyers' Spirits and Solutions, Soda Ash and Sulphate, Brown and Rectified Sulphuric Acid, Muriatic and Nitric Acids, Copperas.*
- NICHOLSON, THOMAS, Ford Chemical Works, South Hylton, near Sunderland, Durham—*Wood Charcoal, Naphtha, Pyroligneous Acid, Acetate of Lime.*
- NIELD, SAMUEL, & Co., 85, Skinner Lane, Leeds. London Agents, CLARKE & COSTE, 19, Water Lane, E.C.—*Yellow Prussiate Potash.*
- NOBLE & Co., Needham Market, Suffolk—*Chemical Manures.*
- NORRINGTON, HINGSTON & Co., St. George's, Bristol, G S Bristol—*Chemical Manures.*
- NORRIS, WILLIAM JOHN, & BROTHER, Calder Chemical Works, Sowerby Bridge, Yorkshire—*Bichromate of Potash, Cudbear, Orchil, Extract of Indigo, Sulphate of Alumina.*
- OGDEN, JOHN MAUDE (late OGDEN BROTHERS), Office, 49, West Sunnyside, and Deptford Chemical Works, Sunderland, Durham, P S Pallion, $\frac{1}{2}$ m.; G Siding to Works—*Acetate of Soda, Acetic Acid, Copperas.*
- OGILVIE & SON, Salt Works, North Shields, Northumberland—*Salt.*
- ORMEROD, JAMES, & Co., York Road, Leeds, P & G S Leeds, 1 m.—*Sulphuric, Nitric, and Muriatic Acids, Tin and Iron Solutions, Ammonia, Sulphate of Soda, &c.*
- PACKARD, EDWARD, & Co., Princes Street, Ipswich, and Bramford, Suffolk; London, 155, Fenchurch Street, E.C.—*Sulphuric Acid, Chemical Manures, &c.*
- PASHLEY, ALEXANDER WILLIAM, Waveney Valley Chemical Works, Haddiscoe, via Lowestoft, P S Haddiscoe, $\frac{1}{2}$ m.; G Siding to Works—*Sulphate Ammonia, Sulphuric Acid, Superphosphate Lime, and Chemical Manure.*
- PATINSON, H. L. & Co., Office, 27, Grey Street, Newcastle-on-Tyne, and Felling Chemical Works, Durham—*Bleaching Powder, Alkali, Soda Crystals, and Bicarbonate.*
- PAYNE, HINCLIFFE, Northumberland Street, Huddersfield — *Ammonia, Soda, Alkali, &c.*
- PEAK, JOHN, Bridgewater Chemical Works, Wigan, Lancashire, P & G S, 1 m.—*Chemical Manures.*
- PEARSON, JOHN THOMAS, Kirkings Wharf, Leeds—*Superphosphate of Lime, Nitro-Phosphate, and Chemical Manures, &c.*
- PEATE, SUGDEN & Co., Springfield Chemical Works, Higher Openshaw, near Manchester, P S Gorton by Works; G S Ardwick, 2 m.—*Pyroligneous Acid, Wood Tar, Charcoal.*
- PERKS, WILLIAM, & Co., St. Nicholas Street, Worcester—*Aniline Dyes.*
- PERKS, SAMUEL, Hitchin, Herts—*Lavender Distiller.*

- PEYTON & SONS**, Chemical Works, Lister Street, Birmingham—*Sulphuric Acid, Aquafortis, Sulphate of Copper, Refined Saltpetre.*
- PILKINGTON, WILLIAM, & SON**, Mersey Chemical Works, Widnes, Lancashire, P & G S Widnes, 1 m.—*Sulphuric and Muriatric Acids, Sulphate of Soda Common and Refined, Soda Ash, Caustic Soda, Cream and White Bleaching Powder.*—See Advertisement.
- PINKEY, JOHN**, Cressage, near Shrewsbury, Shropshire—*Chemical Manures.*
- PLUMBE, CHARLES & SONS**, Sherwood Chemical Works, Mansfield, Notts, P & G S Mansfield—*Sulphate of Ammonia, Benzole, Naphthas, Carboic Acid and Tar Products.*
- POCHIN, H. D., & Co.**, Quay Street, Salford, Manchester, P S S Salford or Victoria, $\frac{1}{4}$ m.; G S Salford, $\frac{1}{4}$ m.—*Aluminous Cake, Sulphate of Alumina, Red and Iron Liquor.*
- PONTITHEL CHEMICAL COMPANY**, Pontithel Works, Three Cocks Junction, Breconshire, P & G S Three Cocks Junction, $\frac{1}{4}$ m.—*Charcoals, Pyroligneous Acid, Brown Acetate of Lime, Miscible Naphtha, Pitch, Tar.*
- DITTO**, Credenhill Chemical Works, Kenchester, Herefordshire, P & G S Credenhill, $\frac{1}{4}$ m.—*Same Products.*
- PONTRILAS CHEMICAL COMPANY, RICHARD REES**, Proprietor, Pontrilas, near Hereford. LON. AGTS. LISTER & BIGGS, 8, Lawrence Pountney Lane, E.C.—*Acetate of Lime, Miscible and Solvent Naphtha, Charcoals, Tar, Pitch.*—See Advertisement.
- POTTER, EDMUND P. & Co.**, Hall Chemical Works, Little Lever, Lancashire.—*Refined Soda Ash, Bleaching Liquor, Vitriol Salt Cakes, Spirits of Salts.*
- PRANGLEY & Co.**, Avon Chemical Works, Marsh, St. Philip's, Bristol—*Sulphate Ammonia, Chemical Manures.*
- PRENTICE BROTHERS**, Great Eastern Chemical Works, Stowmarket, Suffolk—*Sulphuric and Nitric Acid, Coprolites, Superphosphate, and Chemical Manures.*
- PRITCHARD, JOHN, D.**, Crymlyn Burrows, near Swansea—*Oxalic Acid and Sal Acetoscella.*
- PROCTOR, H. & T.**, Cathay, Bristol, P & G S Bristol.—*Chemical Manures.*
- PROCTOR & RYLAND**, Lister-street Chemical Works Birmingham, and Saltney, near Chester—*Bone Manures.*
- RANSOM, WILLIAM**, Chemical Works, Hitchin, Herts, P & G S Hitchin, $\frac{1}{4}$ m.—*Pharmaceutical Preparations.*
- RAWLINS & SON**, Brook Works, Rainhill, Prescott, Lancashire, P S Lea Green, $\frac{1}{4}$ m.; G Rainhill, $1\frac{1}{4}$ m.—*Ultramarine and Smalts.*—See Advertisement.
- RAYMOND, ERNEST, & Co.**, 52, Dale Street, Manchester—*Aniline Dyes*—See Advertisement.
- READE BROTHERS**, Wolverhampton—*Bisulphite of Lime, Sulphurous Acid, Medicinal Preparations.*
- REEVE, SAMUEL**, Rawfold's Chemical Works, Cleckheaton, via Normanton, Yorkshire—*Dyers' Spirits, Liquor Ammonia, Copperas, &c.*
- REEVES, ORLANDO, THE LIVERPOOL PATENT MANURE COMPANY**, 89, Norwood Grove; and Litherland Mills, Seaforth, Liverpool—*Chemical Manures.*

- RENNER, J. R., & Co., 85, South John Street, Liverpool; Works, Bootle, Lancashire—*Superphosphate and other Chemical Manures.*
- RENSHAW, JAMES, & SON, Westbank Works, Openshaw, Manchester—*Acetic Acid.* [Extracts, &c.]
- RICHARDSON, JAMES, & Co., Nether Mills, Leeds—*Refined Indigo, Indigo*
- RICHARDSON, John Geo. & Wm. Henry, Curlew Chemical Works, Jarrow-on-Tyne, Durham—*Sulphuric Acid, Sulphate of Soda, Soda Ash and Bleaching Powder.*
- RILEY, JOHN, Hapton Chemical Works, near Accrington, Lancashire—*Sulphuric, Hydrochloric, and Nitric Acids, Bleaching Powder, Soda Ash, Caustic Soda, Arseniate & Stannate of Soda, Tin Solutions.*
- ROBERTS, THOMAS, Sandhill Lane, Kirkdale, Liverpool; London Agent, Z. CARTWRIGHT, 22, Water Lane, E.C.—*Flowers of Sulphur, Roll & Rock Sulphur, Soda Ash & Caustic Soda, Refined Saltpetre, &c.*
- ROBERTS, DALE, & Co., Latchford, Warrington—*Aniline Dyes.*
- ROBERTS, DALE, & Co., Mersey Bank Chemical Works, Warrington, Lancashire—*Oxalic Acid, Caustic Soda, &c.*
- ROBINSON, EDWARD, Moorhead Chemical Works, Fartown, Huddersfield—*Muriatic, Nitric, and Sulphuric Acids, Acetate and Nitrate of Copper, Acetate, Muriate, and Nitrate of Iron; Tin Solutions, Dyers' Spirits, and Indigo Extracts.*
- ROBINSON, THOMAS CUSWORTH, Chemical Works, South Milford, Yorkshire—*Epsom Salts.*
- ROBINSON, JAMES & Co., Huddersfield, P & G S Huddersfield, $\frac{1}{2}$ m.—*Orchil and Cudbear.*
- ROBINSON, POLLARD, & Co., Hamshaw Chemical Works, Portsea, Hants; London, 9, Mincing Lane—*Sulphate Ammonia, Creosote, Anthracine, &c.*
- ROOKE, J. & J. & Co., Chemical Works, Horrock Lane, Red Bank, Manchester, P S Victoria Station, $\frac{1}{2}$ m.; G S New Bailey Street, 1 m.—*Red and Iron Liquor, Pyroligneous Acid, Acetic Acid, Acetate of Lime, &c.*
- ROOTH, JOHN SAMPSON, Walton Chemical Works, Chesterfield, Derbyshire.
- ROYSTON, W. & C., Paddington Cheml. Works, near Warrington, Lancashire, P & G S Warrington, 2 m.; Padgate, 1 m.—*Bone Manures.*
- RUMNEY, ROBERT, Ardwick Chemical Works, Ashton Old Road; Manchester—*Ammonia, Silicates of Soda and Potash, Red and Iron Liquors, Tin Crystals, Pyroligneous and Acetic Acid, Charcoal Manures, &c.*—See Advertisement.
- RUNCORN SOAP AND ALKALI COMPANY, LIMITED, Weston Chemical Works, Runcorn, Cheshire; and Walmer Buildings, Water Street, Liverpool—*Soda Ash, Bleaching Powder, and Salt Cake.*
- DITTO, DITTO, Preston Brook, Cheshire—*Soda Crystals, Soda Ash, Bleaching Powder, Distillations of Turpentine, &c.*
- RUSCOE, GEORGE, Tattenhall Station, Tarporley, Cheshire—*Bone Manures.*
- SCHOFIELD, CHRISTOPHER JAMES, Clayton, near Manchester, P S Manchester, 2 m.; G S Beswick, $\frac{1}{2}$ m.—*Soda Ash, Caustic Soda, Sulphuric and Muriatic Acid, Bleaching Liquor.*
- SEEDON, RALPH, Middlewich, Cheshire—*Salt.*

- SHARON CHEMICAL COMPANY, Sharon Chemical Works, Little Chester Derby, P S Midland, 2 m.; G Midland, $\frac{3}{4}$ m.—*Oil of Vitriol, Sulphate of Ammonia, Metallic Oxides, Glauber Salts, Superphosphates, and other Chemical Manures.*
- SHELDON, NIXON, & Co., West Jarrow Chemical Works, Jarrow-on-Tyne Durham, P & G S Hebburn, $\frac{1}{2}$ m.—*Soda Ash, Bleaching Powder, &c.*
- SHORTHOUSE, JOSEPH, & SON, New Market Street, Birmingham—*Oil of Vitriol, Muriatic, and Nitric Acids.*
- SINGLETON, JOSEPH, & Co., Spring Hill, Birmingham, P & G S Monument Lane, $\frac{1}{2}$ m.—*Acetate of Soda, Nitric, Muriatic & Acet'c Acids, Acetate of Lime, Naphtha, Charcoal, Tar, &c.*
- SISSONS BROTHERS & Co., Sculcoates, Hull—*Blues.*
- SLACK, ASHCROFT, & Co., Paul Street, Vauxhall Road, Liverpool, P & G S Liverpool, 1 m.—*Vitriol, Soda Ash, Ammoniacal Products, Roll and Flour Sulphur, Saltpetre, &c.*
- SMITH, J., JUN., & Co., Great Lever, Bolton, Lancashire; and 61, Princes Street, Manchester—*Oil of Vitriol.*
- SMITH, DAVID, Kensington Chemical Works, Siddall, Halifax—*Copperas, Fluorine, Mineral Acids, Carbolic, Picric, and Aurine Acids, and Dyers' Spirits.*
- SMITH, ELIZABETH, MRS., Rhondda Chemical Works, Pontypridd, Glamorgan-shire—*Naphtha, Acetate of Lime, Charcoal, Pyroligneous Acid.*
- SMITH & MAWDSLEY, Pentre Alkali Works, near Flint, North Wales, P S Flint, $1\frac{1}{2}$ m., G Own Siding—*Vitriol, Muriatic Acid, Salt Cake, Alkali, Soda Ash, Soda Crystals, and Bleaching Powders.*
—See Advertisement.
- SOULBY, JOHN, Pye Pits Works, Malton, Yorkshire, P S Malton, G Siding to Works—*Chemical Manures.*
- SOUTHALL, SON, & DYMOND, Birmingham—*Iodide and Bromide Potassium, and Pharmaceutical Preparations.*
- SOUTHERN, G. S., Sylvia Street, Manchester—*Tin Solutions, Iron Liquor, &c.*
- SOUTHERN, THOMAS & SON, Wheal Hill Chemical Works, Salford, Manchester—*Tin Solutions, Iron and Red Liquors.*
- SPENCE BROTHERS' CHEMICAL COMPANY, LIMITED, Victoria Chemical Works, Ashton New Road, Bradford, Manchester, P S Ashbury, 1 m., G S Beswick, $\frac{1}{2}$ m.—*Patent Dry and Green Copperas, Sulphate and Liquor Ammonia, Grey and Brown Sulphuric Acid, Sulphate of Alumina.*
- SPENCE, PETER, Pendleton Alum Works, Holland Street, Oldham Road, Manchester—*Lump, Fine Ground, Rough Ground, and Granulated Alum, special quality for Turkey Red Dyers, Sulphate of Ammonia, Aluminoferrous Cake, &c.*—See Advertisement.
- SPOONER & BAILEY, Eling Works, Southampton—*Brown Sulphuric Acid, Sulphate of Soda, Chemical Manures, &c.*
- STAINSBY & LYON, Aire Tar Works, Knottingley, Yorkshire.—*Tar.*
- STANTON PURE SULPHUR COMPANY, 70, Price Street, Birkenhead—*Rock Roll and Flour Sulphur.*
- STATON & Co., Shobnall Mills, Burton-on-Trent—*Chemical Manures.*

- ST. BEDE CHEMICAL COMPANY, LIMITED, 1, St. Nicholas Building, Newcastle-on-Tyne; and St. Bede Chemical Works, South Shields, Durham—*Sulphuric Acid, Sulphate of Soda, Soda Ash and Crystals, Refined Alkali, Bleaching Powder.*
- STEPHENS, JAMES, Black Vale Copper Works, Swansea—*Arsenic*
- STONE & TINSON, Crews Hole, St. George's, Bristol—*Sal Ammoniac.*
- STORRY, SMITHSON, & Co., 187, High Street, and Works, Sculcoates, Hull, P & G S Sculcoates, by Works—*Tar and Rosin Distillers.*
- STURGE, JOHN & E., 18, Wheeley's Lane, Birmingham—*Citric Acid, Bicarbonate of Potash, Rochelle Salts, Precipitated Chalk, Citrate Magnesia.*
- SUGDEN BROTHERS, Woodsome Lees, Huddersfield, Yorkshire, P & G S Kirkburton, $\frac{1}{2}$ m.—*Nitric and Muriatic Acids, Ammonia, Tin Solutions, Dyers' Spirits, &c.*
- SULLIVAN & Co., LIMITED, British Alkali Works, Widnes, near Warrington, Lancashire: P S Widnes, $1\frac{1}{2}$ m., G Own Siding; Liverpool, 8, Wason's Buildings—*Soda Ash, Refined Soda Ash, Cream and White Caustic Soda, Salt Cake, Bleaching Powder, Recovered Sulphur.*
- TALL & DUNKERLEY, 20, High Street, Hull—*Tar, Turpentine, and Rosin Distillers.*
- TAYLOR, GREENALL & KIDD, Moorside Chemical Works, Widnes, near Warrington, Lancashire—*Soda Ash, Caustic Soda, Salt Cake, and Bleaching Powder.*
- TENNANT, CHARLES, & Co., Hebburn, Alkali Works, Jarrow-on-Tyne. London, C. TENNANT, SONS, & Co., 9, Mincing Lane—*Alkali, Soda Ash, Soda Crystals, Bleaching Powder.*
- TENNANTS & Co., Ardwick Bridge, Manchester; Liverpool, 20, Red Cross Street—*Alkali, Vitriol, Stannate and Arseniate of Soda, Tin Crystals, Sulphate of Zinc, and Chemical Products for Bleachers, Dyers, and Calico Printers.*
- THACKER & Co., Bankhall Chemical Works, Liverpool—*Naphtha.*
- THARSIS SULPHUR & COPPER COMPANY, LIMITED, Tyne Chemical Works, Hebburn, near Gateshead-on-Tyne—*Sulphur, Copper.*
- THOMPSON & Co., 8, Cooper St., Manchester—*Aniline Dyes, Dyers' Solutions.*
- THORPE, HENRY & SON, Swan Works, Buckingham, P & G S Buckingham, 1 m.—*Superphosphate of Lime, Bone and Chemical Manures.*
- TIGARS' MANURE WORKS, Grovehill, Beverley—*Chemical Manures.*
- THRELFALL, THOMAS, & SONS, Botany Chemical Works, Chorley, Lancashire—*Chinese and Prussian Blues, and Chemical Manures.*
- TROTTER, ISALAH, Oakwood Chemical Works, Coleford, Gloucestershire—*Naphtha, Acetates of Soda and Lime, &c.*
- TOWNSEND, JOHN, Albion Chemical Works, Cleckheaton, via Normanton, Yorkshire—*Glauber Salts, Copperas, Muriatic Acid, Dyers' Solutions.*
- TOYNBEE, EDWARD, LINDSEY & KESTIVEN CHEMICAL MANURE COMPANY, LIMITED, Saxilby, near Lincoln, P S Saxilby, 1 m., G Own Siding—*Chemical Manures.*
- TREMELLEN, WILLIAM, Swansea, South Wales—*Arsenic.*

- TUNSTALL & Co., St. Helen's Chemical Works, Newlay, Leeds, P S Newlay, $\frac{1}{2}$ m., G Own Siding, and Carr Moor Side Works, Hunslet, Leeds, P & G Leeds, 1 m.—*Tar Distillers, Naphtha, Benzole, Carbolic Acid, and Tar Products.*
- TURNER, JOSEPH, Queen's Ferry, Flintshire, P S Queensferry, $\frac{1}{2}$ m., G Own Siding; and at Redheugh, Gateshead, Newcastle-on-Tyne—*Tar Distillers, Benzole, Toluol, Naphtha, Carbolic Acid, Anthracine, Creosote, Pitch and Sulphate of Ammonia.*
- TYNE ALKALI COMPANY, LIMITED, Office, 1, Dean Street, Newcastle-on-Tyne; Works, South Shields, Durham; G S Own Siding; Pontop Branch, Tyne Docks—*Sulphuric and Muriatic Acids, Sulphate of Soda, Soda Ash and Crystals, Bleaching Powder, Chlorate of Potash.*
- UTTLEY, M., Redlees Summit, Littleborough, Lancashire—*Soda Crystals, Brown and White.*
- URBAN (PATENT) MANURE COMPANY, Sneyd Works, Bloxwich, Walsall, Staffordshire—*Manures.*
- VAUGHAN, S. & J. W., Birley Vale Chemical Works, Handsworth Woodhouse, near Sheffield—*Pyroligneous Acid, Acetate of Lime, Sugar of Lead, Naphtha, Iron and Red Liquor, &c.*
- VERDON, JOSEPH, Newton, Middlewich, Cheshire—*Salt.*
- VICKERS, THOS., & SONS, Miles Platting, Manchester; Widnes, Warrington—*Bone Manures, Superphosphates, Binarsenate and Arseniate of Soda.*
- VIVIAN H. HUSSEY, Hafod Isha Chemical Works, Swansea—*Bleaching Powder, Soda Ash and Crystals, Caustic Soda, Phosphate of Soda, Salt Cake, Muriatic Acid, Superphosphate of Lime.*
- DITTO, DITTO, Lythrid Chemical Works, Park Mill, Gower, Swansea, Glamorganshire—*Acetate of Lime, Naptha, Charcoal, Wood Tar, &c.*
- WADE, HENRY P. H., Leeds Road North, Huddersfield, Yorkshire—*Benzole, Naphtha, and Aniline Colours.*
- WAIDE, JAMES, & SON, Calder Chemical Works, Whitwood Mere, Normanton, Yorkshire—*Sulphuric Acid, Sulphate of Ammonia, Nitrate Cake.*
- WAKE & Co., Bridge Road, Southampton—*Charcoal.*
- WALKER, ISAAC & ISRAEL, Effingham Chemical Works, Rotherham, Yorkshire; London Agents, THOMAS & SCARPE, 192, Upper Thames Street, E.C.—*Pyroligneous Acetic Acid, Acetate of Lime, Sugar of Lead, Naphtha, Iron Liquors, &c.*
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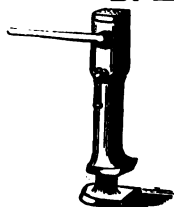
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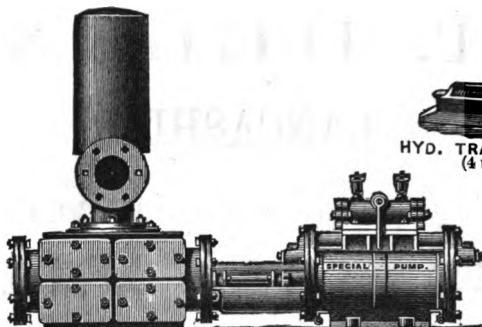
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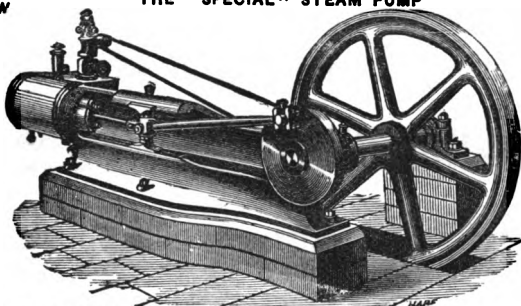
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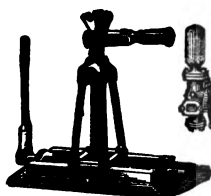
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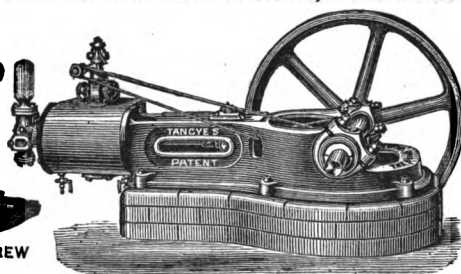
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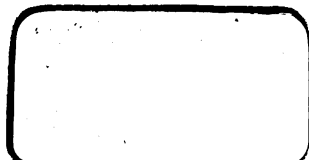
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